complete

olume XV MAY 1920 Number 11

BULLETIN of Goshen College

Annual Catalog

Goshen, Indiana

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BENTON HR.
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1919-1920
CATALOG

Goshen College

Goshen, Indiana

ANNOUNCEMENTS
For 1920-1921

Entered as second-class matter February 22, 1906, at the Postoffice at Goshen, Ind., under act of Congress of July 16, 1904.
Issued six times a year.

CALENDAR

1920.

Academy Class ..... June 4
School of Music Program ..... June 5
Baccalaureate Sermon ..... June 6
Class Day ..... June 8
Philharmonic Chorus ..... June 8
Alumni Day ..... June 9
Commencement Day ..... June 11
Summer School Opens ..... June 14
Summer School Closes ..... August 27
Fall Term Opens, Wednesday, 8 A. M. ..... September 29
Thanksgiving Vacation ..... November 25-26
Fall Term Closes ..... December 22

1921.

Winter Term Opens, Tuesday, 8 A. M. ..... January 4
Special Bible Term Opens ..... January 4
Special Bible Term Closes ..... February 11
Winter Term Closes ..... March 25
Spring Term Opens, Monday, 8 A. M. ..... March 28
Peace Day ..... May 18
Baccalaureate Sermon ..... June 12
School of Music Program ..... June 13
Philharmonic Chorus ..... June 14
Alumni Day ..... June 15
Class Day ..... June 16
Commencement Day ..... June 17
Summer School Opens, Monday, 8 A. M. ..... June 20
Summer School Closes ..... September 2
Fall Term Opens, Wednesday, 8 A. M. ..... September 28
Fall Term Closes ..... December 21

CALENDAR

1920.

S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
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26	27	28	29	30		

SEPTEMBER

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31						

OCTOBER

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NOVEMBER

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DECEMBER

1921.

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JANUARY

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FEBRUARY

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MARCH

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APRIL

1921.

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29	30	31				

MAY

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JUNE

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24	25	26	27	28	29	30
31						

JULY

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21	22	23	24	25	26	27
28	29	30	31			

AUGUST

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T. M. Erb ..... Hesston, Kas.
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H. Frank Reist ..... Goshen, Ind.
J. E. Weaver ..... Goshen, Ind.
I. R. Detweiler ..... Goshen, Ind.

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J. B. Moyer F. S. Ebersole D. D. Miller

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H. F. Reist

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Henry Frank Reist ..... President
Irvin R. Detweiler ..... Acting President
Christian B. Blosser ..... Dean
John E. Weaver ..... Business Manager
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Vesta Zook ..... Dean of Women
John J. Fisher ..... Registrar

ASSISTANT OFFICERS

..... Matron, Kulp Hall
Mrs. Samuel Plank ..... Matron, East Hall
Samuel H. Plank ..... Supt. Buildings and Grounds
Ruth Brubaker ..... Assistant Librarian
Alma Hostetler ..... Stenographer

STANDING COMMITTEES OF THE FACULTY

Admission and Classification—Fisher, Gerig, Blosser.

Athletics—Meyer, Witmer, Lehman.

Buildings and Grounds—Witmer, Zook, J. E. Weaver.

Courses of Study—Blosser, Martin, Zook.

Debate and Oratory—W. B. Weaver, Kurtz, ————.

Dormitory and Student Life—Miss Zook, J. E. Weaver, Detweiler.

Extra Work:
College—Gerig, Fisher, Martin.
Academy—Lehman, Zook, Witmer.

Religious Life—Detweiler, W. B. Weaver, Miss Zook.

Library—Zook, President, ————.

Publications—J. E. Weaver, Blosser, Fisher.

Public Occasions—Ebersole, Martin, Gerig, Warye.

Rules and Discipline—Blosser, Miss Zook, Matron, Fisher, President, Kurtz.

Student Organizations—Kurtz, Ebersole, W. B. Weaver.

S. L. A.—D. A. Lehman.

FACULTY *

HENRY FRANK REIST, President.

Graduate, Junior College Course, Goshen College, 1904; Editor, Christian Monitor, 1908-1919; ordained minister, 1916; President, Mennonite Board of Education, 1916-1919; President, Goshen College, 1919-

CHRISTIAN B. BLOSSER, A. B., Dean.

Student, Ohio Normal University, 1898-1900; Instructor, Goshen College, 1907; A. B., Indiana University, 1909; Instructor in Biological Sciences, Goshen College, 1909-10; Professor of Biological Sciences, 1910-15; Postgraduate student, University of Wisconsin, 1915-17; Candidate for M. S. degree in Agriculture; Dean of School of Agriculture, 1917-; Dean, 1919-

DANIEL S. GERIG, A. B.

Student, Smithville Normal School, 1893-94; Instructor, Elkhart Institute, 1900-1902; Instructor, Wooster University, summer, 1903; A. B., Wooster University, 1904; graduate student in German and Latin, The University of Chicago, summers of 1904 and 1908; Instructor, Goshen College, 1904-05; traveled in Europe, summer of 1912; Acting Dean of College, 1916-18; Dean, 1918-19; Professor of German and Latin, 1905-

EPHRAIM J. ZOOK, A. M., Librarian.

B. S., Ohio Normal University, 1897; Principal, schools of Canaan and Rittman, Ohio, 1897-99; Ph. B., Wooster University, 1901; Instructor, Elkhart Institute, 1901-03; Instructor, Goshen College, 1903-04; A. M., The University of Chicago, 1905; Graduate student, The University of Chicago, summers of 1905, '08, '13, '14; Graduate, Indiana School for Librarians, 1916; Professor of Latin and French, 1915-

JONATHAN M. KURTZ, A. M.

Student, Ohio Normal University, 1896; Instructor, Elkhart Institute, 1902-03; Instructor, Goshen College, 1903-04; A. B., Oberlin College, 1905; Scholar in Chemistry, Oberlin College, 1905-06; A. M., Oberlin College, 1906; Graduate student, The University of Chicago, summers of 1909, '10, '11, '12 and '19; Professor of Physical Science, 1906-

*Arranged, with the exception of the President and Dean, in the order of seniority of appointment.

DANIEL A. LEHMAN, A. M.

Graduate of First Pennsylvania State Normal, 1889; Ph. B., Wesleyan University (Conn.), 1893; graduate student, The University of Chicago, 1893-95; Principal of Academy, University of the Pacfiic (Cal.), 1895-98; Student, Lick Observatory, summer of 1898; Professor of Mathematics, Baldwin University, (O.), 1898-1902; A. M., Western Reserve University, 1903; Instructor, Missouri State Normal, 1903-05; Instructor, University of Wisconsin, 1905-06; Graduate student, University of Michigan, summers 1908-09, Columbia University, 1910, and The University of Chicago, 1912-19; Professor of Mathematics and Astronomy, 1906-

IRVIN R. DETWEILER, A. B.

Missionary in India, 1902-04; ordained minister, 1905; Student, Bethany Bible School, 1907-09; Field Secretary, Mennonite Board of Missions and Charities, 1906-14; A. B., Goshen College, 1911; Graduate student, The University of Chicago, summers of 1912, '13, '14, '15, '16 and '17; Instructor in Bible, Goshen College, 1909-12; Professor of New Testament and Missions, 1912-; Dean of Bible School, 1916-

JOHN E. WEAVER, A. M., Business Manager.

Graduate, Boise Business College, 1908; Instructor in Bookkeeping and Shorthand, Goshen College, 1910-1915; A. B., Goshen College, 1914; A. M., Indiana University, 1916; Principal School of Business, 1916-; Business Manager, 1918-

AMOS S. EBERSOLE, Mus. B.

Private teacher of Music, 1909-1913; graduate Music Teachers' course, Goshen College School of Music; student, Columbia University School of Music; student Northwestern University; graduate, Collegiate and Post Graduate courses in Singing, American Conservatory of Music; studied with the following teachers: D. A. Clippinger, Rosseter G. Cole, S. Reid Spencer, DeLoss Smith, Oscar Saenger, Mabel Woodworth, John T. Read, Adolph Weidig, Sandor Radanovits; Acting Director, School of Music, 1913-14; Associate Director, School of Music, 1914-15; Director, School of Music, 1915-

WILLIAM B. WEAVER, A. B.

A. B., Goshen College, 1914; Graduate student in History and Social Sciences, Indiana University, spring and summer, 1914; Instructor in History and Social Sciences, 1914-19; Instructor in Bible, 1919-

SAMUEL W. WITMER, A. M.

A. B., Goshen College, 1914; A. M., University of Wisconsin, 1915; Graduate student, University of Illinois, summer,

1916; Instructor in Biological Science, 1915-1917; Assistant Professor of Biological Sciences, 1917-

JOHN J. FISHER, A. M., Registrar.

A. B., Goshen College, 1913; Fellow in Philosophy and Education, Indiana University, 1913-14, A. M., Indiana University, 1914; Harrison Fellow in Philosophy and Education, University of Pennsylvania, 1914-1916; Graduate student in Education, The University of Chicago, summer of 1915, and Columbia University, summer of 1916; Assistant Professor of Philosophy and Education, 1916-19; Member Friends Relief Unit in Austria, 1920; Professor of Philosophy and Education, 1919-

VESTA ZOOK, A. B., B. S., Dean of Women.

A. B., Goshen College, 1915; B. S., Lewis Institute, 1916; Graduate student, The University of Chicago, summer, 1917; Dean of Women and Instructor in Home Economics, 1916-

GERARD J. DINKELOO, A. B.

Hope College; Chicago Musical College; American Conservatory of Music; Columbia School of Music; Teacher of Music, Western Union College; Supervisor of Music, Iowa Public Schools, six years; Supervisor of Music, Goshen Public Schools, six years; Public School Music Methods, Goshen College, 1916-

INA K. SLATE.

Prang Summer School of Methods, 1907-1908; Chicago Academy of Fine Arts, 1909; studied methods under Dr. James P. Haney at New York University, 1910 and 1911; New York School of Fine and Applied Arts, 1912 and 1913; pupil of Emma Church, director of Chicago School of Applied and Normal Art, 1915; Supervisor of Art, Goshen Public Schools, 1907-15; Instructor in Public School Art, 1916-

MARTHA MARTIN, A. B.

A. B., Goshen College, 1916; teacher rural schools, 1915-17; Graduate student, University of Chicago, summer, 1917; Instructor in Methods and Observation, Goshen College, 1917-18; student, Columbia University, 1918-19; teacher, Shippenburg, Pa., State Normal, spring, 1919; Instructor in Methods, Observation and Practice Teaching, 1919-

OTTO H. HOLTKAMP, Mus. B.

Graduate, Oberlin Conservatory of Music, six year course, 1917; Studied with the following teachers: Dr. Geo. W. Andrews, Arthur E. Heacox, O. A. Lindquist and Edward Dickinson; Private teacher of Music, 1913-17; Organist and Choir Director, four years; Instructor in Piano and Musical Theory, 1917-

ELVINA S. EBERSOLE.

Student, Bluffton Conservatory of Music, two years; graduate, Music Teachers' Course, Goshen College School of Music; private teacher of Music, one year; student, Northwestern University School of Music two summer terms, and private pupil of Walter Allen Stultz, Sandor Radanovits; Instructor in Singing, Goshen College 1917-

EUNICE GUTH.

Private student of music two years; private teacher of music one year; Graduate, Teacher's Certificate Course, Goshen College School of Music, 1918 and Diploma Course in Piano, 1919; Assistant Instructor in piano and musical theory, 1918-

JACOB C. MEYER, A. M.

A. B., Goshen College, 1916; Fellowship, Indiana University, 1916-17; A. M., Indiana University, 1917; A. M., Harvard University, 1918; member of Field Executive Committee of the Friends' Unit in France, 1919; Instructor in History and Social Sciences, 1919-

ALMA WARYE, A. B.

A. B., Goshen College, 1918; Teacher, High Schools, 1918-20; Instructor in English 1920-

COLLEGE

METHOD OF ADMISSION

Admission to College may be gained either by certificate or by examination. Graduates of commissioned high schools or other approved preparatory schools will be admitted upon presentation of certificates of good moral character and graduation. Candidates may present these certificates in person on registration day but it will greatly expedite registration if these certificates are sent to the Registrar at least two weeks before the opening of the fall term. Blank certificates will be sent upon application.

For admission by examination either upon all the required subjects or upon those for which no satisfactory certificates can be offered the candidates shall present themselves at the office of the Registrar on the opening day of the term for such examination as the Committee on Admission and Classification may require.

No advance credit is granted for subjects studied in high school unless the student has taken a postgraduate high school course of at least one semester. Such credit will be allowed only upon examination and will not be finally placed to the student's credit until he has done at least two terms of successful work in the College.

REQUIREMENTS FOR ADMISSION

The amount of work required for admission is based upon the work of the commissioned or first class high school. A one-year course meeting daily for forty-five minutes, or a one-year course meeting four times per week for sixty minutes is accepted as the unit of credit. The amount of credit in each subject will be estimated on the basis of the length of the recitation periods, the textbooks used and, in science courses, also the laboratory note-books.

For admission to the Freshman class without condition, candidates must offer in addition to the preacademic or grammar school studies, not less than fifteen units of high school work, to be made up as follows:

Required:

English ..... 3 units
Foreign Languages ..... 2 units

(Not less than two units of any one foreign language will be accepted).

Mathematics, Algebra and Geometry ..... 2 units
History, Greek and Roman preferred .... 1 unit
Science, a laboratory science ..... 1 unit

Electives:

Additional units from above groups ..... 2 units
Electives ..... 4 units

In order to obtain the best results in college work students are urged to elect two units of foreign language and one unit in mathematics in addition to the minimum requirements in these subjects.

English Classics	1	4
English Literature	1	
English Composition and Rhetoric	2	

Latin	2, 3, or 4	6
Greek	2 or 3	
German	2, 3 or 4	
French	2, 3 or 4	

Algebra	1½	3½
Plane Geometry	1	
Solid Geometry	½	
Trigonometry	½	

History, General 1
History, Greek and Roman 1
History, English 1
History, United States and Civics 1
} 2

Physics 1
Chemistry 1
Biology 1
Botany 1
Zoology 1
Agriculture 1
Physiography .....½
Physiology .....½
Geology .....½
Astronomy .....½
} 3

Commercial Subjects.
Domestic Science ...
Manual Training ....
Free-hand Drawing ..
Music .....
} May receive credit, after each claim has been investigated.

CONDITIONS

Candidates presenting not less than fourteen units will be admitted to the Freshman class on condition that they begin at once to make up the work in which they are deficient. Such work must be completed before the Sophomore year. The Academy and the Summer School afford good opportunities for removing conditions.

SPECIAL STUDENTS

Candidates who are twenty-one years of age or more and who cannot meet the above requirements may be admitted as special students by furnishing evidence of ability to do the contemplated work. Such students may at any time become candidates for degrees by completing the entrance requirements.

CURRICULUM

The curriculum of Goshen College makes provision for general culture by prescribing some work in each of the great fields of knowledge; encourages scholarship by requiring advanced courses in at least one major subject; and provides for the particular tastes and needs of each student by giving freedom to the choice of the major subject and electives.

The amount of work required for graduation with the Bachelor of Arts degree is one hundred and eighty term hours. Each student is expected to register for fifteen hours' work each term. Any student wishing to take more than the normal fifteen hours' work must make application to the Committee on Extra Work before registering. Entering students are not expected to carry more than fifteen hours' work.

PRESCRIBED WORK

English	15 hours
Mathematics	10 hours
Foreign Languages	18 hours
History or Social Sciences	15 hours
Natural Sciences	15 hours
Philosophy	10 hours

MAJOR SUBJECTS

At the beginning of the Junior year each student shall in consultation with the Dean, select his major subject and file a statement of his choice with the Registrar. A major consists of forty-five hours, approximately one-third of which may be cognate work in allied subjects at the approval of Heads of Departments concerned.

Thirty of the forty-five hours is to represent a sequence in one subject.

ELECTIVE SUBJECTS

In registering, required and major subjects must have the preference over those which are elective. (Elective

courses once begun may not be discontinued without the proper consent of the Faculty). The electives must be chosen in the sequence indicated in the department statements.

FRESHMAN WORK

Freshmen are required to take at least thirteen hours from the prescribed work in English, Mathematics, Foreign Languages or Natural Science, including English VI and Mathematics IV and V. All prescribed work except that in Philosophy should be completed by the end of the Sophomore year.

The following curricula are suggested for Freshmen:

I		II		III	
English	2	English	2	English	5
Mathematics	5	Mathematics	5	Mathematics	5
Language	3	Language	5	Language	3
Zoology or Botany	5	Chemistry	3	Bible	2

PROFESSIONAL COURSE

Students who have completed their prescribed work and have one hundred and thirty-five hours' credit may, upon favorable action of the Faculty, secure a leave of absence during their Senior year to attend a standard professional school. Such students may present themselves for degrees when a statement has been received from the Faculty of the professional school that one full year's work has been satisfactorily completed.

The following courses are suggested for those expecting to take up medical or engineering courses after completing three years of college work:

Medical		Engineering	
English	15	English	15
Language	21	Language	21
History	15	History	15
Mathematics	10	Mathematics	24
Biology	20	Astronomy	11
Chemistry	33	Physics	12
Physics	12	Chemistry	24
Philosophy	10	Philosophy	10

The following courses are suggested for students taking work for the A, B, or C Class Certificates, the two-year or four-year Provisional Certificates:

FIRST YEAR
Suggestive Curricula.

FIRST TERM	SECOND TERM	THIRD TERM
I. Prescribed Work.	I. Prescribed Work.	I. Prescribed Work.
1. Prepared.	1. Prepared.	1. Prepared.
a. Professional .	a. Professional.	a. Professional.
Hrs.	Hrs.	Hrs.
Introduction to Education. 3	Educational Psychology ... 5	Principles of Teaching ... 3
How to Study 1	b. Academic.	Tests and Measurements.. 2
b. Academic.	English Composition 2	b. Academic.
English Composition 2	2. Unprepared.	English Composition 2
2. Unprepared.	Observation of Teaching..	2. Unprepared.
Observation of Teaching..	Physical Education 1	Observation and Supervised Teaching .....
II. Elective Work.	II. Elective Work.	II. Elective Work.
1. Prepared.	1. Prepared.	1. Prepared.
a. Professional .	a. Professional.	a. Professional.
Physiology and Hygiene.. 5	Rural Life 3	Social Science 3
b. Academic.	Sociology 2	Sociology 2
Grammar 2	b. Academic.	b. Academic.
Subjects elected from College curriculum.	Subjects elected from College curriculum.	Physical Geography 3
		Oral English 2
		Subjects elected from College curriculum.
2. Unprepared.	2. Unprepared.	2. Unprepared.
Public School Art 2	Public School Art 2	Public School Art 2
Chorus 1	Chorus 1	Chorus 1
Penmanship 2	Penmanship 2	Penmanship 2
Physical Education 1		

SECOND YEAR

FIRST TERM

I. Prescribed Work.

1. Prepared.
   a. Professional.

	Hrs.
Public School Systems	3
Special Methods	3

2. Unprepared.
   Observation of Teaching..

II. Elective Work.

1. Prepared.
   a. Professional.
   History of Education 3
   Subjects elected from College curriculum.

2. Unprepared.

Public School Art	2
Penmanship	2
Physical Education	1

SECOND TERM

I. Prescribed Work.
   a. Professional.

	Hrs.
Class-room Management	3
Primary Methods	3

2. Unprepared.
   Observation and Supervised Teaching .....
   Physical Education 1

II. Elective Work.

1. Prepared.
   a. Professional.
   History of Education 3
   Subjects elected from College curriculum.

2. Unprepared.

Public School Art	2
Chorus	1
Penmanship	2

THIRD TERM

I. Prescribed Work.

1. Prepared.
   a. Professional.

	Hrs.
Psychology of Thinking	3
Children's Literature	2
Special Methods	3

2. Unprepared.
   Observation and Supervised Teaching 2
   Plays and Games 1

II. Elective Work.

1. Prepared.
   a. Professional.
   Principles of Education ... 3
   The Elementary School Curriculum 3
   Subjects elected from College curriculum.

2. Unprepared.

Public School Art	2
Chorus	1
Penmanship	2

FOUR-YEAR COURSE
Suggestive Curriculum.

FIRST YEAR

FIRST TERM	Hrs.	SECOND TERM	Hrs.	THIRD TERM	Hrs.
English	2	English	2	English	2
Mathematics	3	Mathematics	3	Mathematics	3
Biology	3	Biology	3	Biology	3
or		or		or	
Chemistry	4	Chemistry	4	Chemistry	4
Introduction to Education	3	Elementary Psychology	3	Social Science	3
Language	3	Language	3	Language	3
How to Study	1			Sociology	2

SUGGESTED TWO YEAR COURSE IN HOME ECONOMICS

FIRST YEAR

FALL TERM	Hrs.	WINTER TERM	Hrs.	SPRING TERM	Hrs.
English	2	English	2	English	2
Chemistry	4	Chemistry	4	Chemistry	4
Household Sanitation	2	Household Administration	2	House Planning and Furnishing	2
Sewing	3	Sewing and Textiles	3	Dressmaking and Textiles	3
Physiology and Hygiene	5	Ed. Psychology	3	Principles of Teaching	3
		Sociology	2	Sociology	2

SECOND YEAR

FALL TERM	Hrs.	WINTER TERM	Hrs.	SPRING TERM	Hrs.
Public School Systems	3	Class-room Management	3	Psychology of Thinking	3
Teaching of Home Economics	3	Family	3	Costume Design	3
Food Study & Cooking	5	Food Chemistry	5	Nutrition and Dietetics	5
Elective	5	Observation & Practice Teaching	5	Elective	5
				Tests and Measurements	2

DEGREES

The degree of Bachelor of Arts will be conferred upon those who have complied wtih the requirements for graduation as stated above. Credit from other standard colleges may count toward the degree, but no student will be graduated who has been in residence for less than one year.

CERTIFICATES

A certificate is granted to those students in Home Economics who successfully complete a two year outlined course of study in this department. For outline of course see page 18.

TEACHERS' COURSES

A, B, and C Class Certificates.

Class A course consists of one term's work of the first year's course in the two-year curriculum, and class B of two terms' work; provided, that each course contain at least three hours of the teaching of elementary school subjects and at least two hours of directed observation of model teaching, and that they respectively contain introduction to education and child psychology.

Class C course consists of the first three years of the four-year curriculum; containing at least twenty hours of professional studies, including directed observation and supervised teaching (graduating from a four-year standard college course, with thirty term hours in Education.

One-year Course.

The one-year elementary course should consist of the first year of the two-year course, with at least ten hours of professional studies.

Two-year Course.

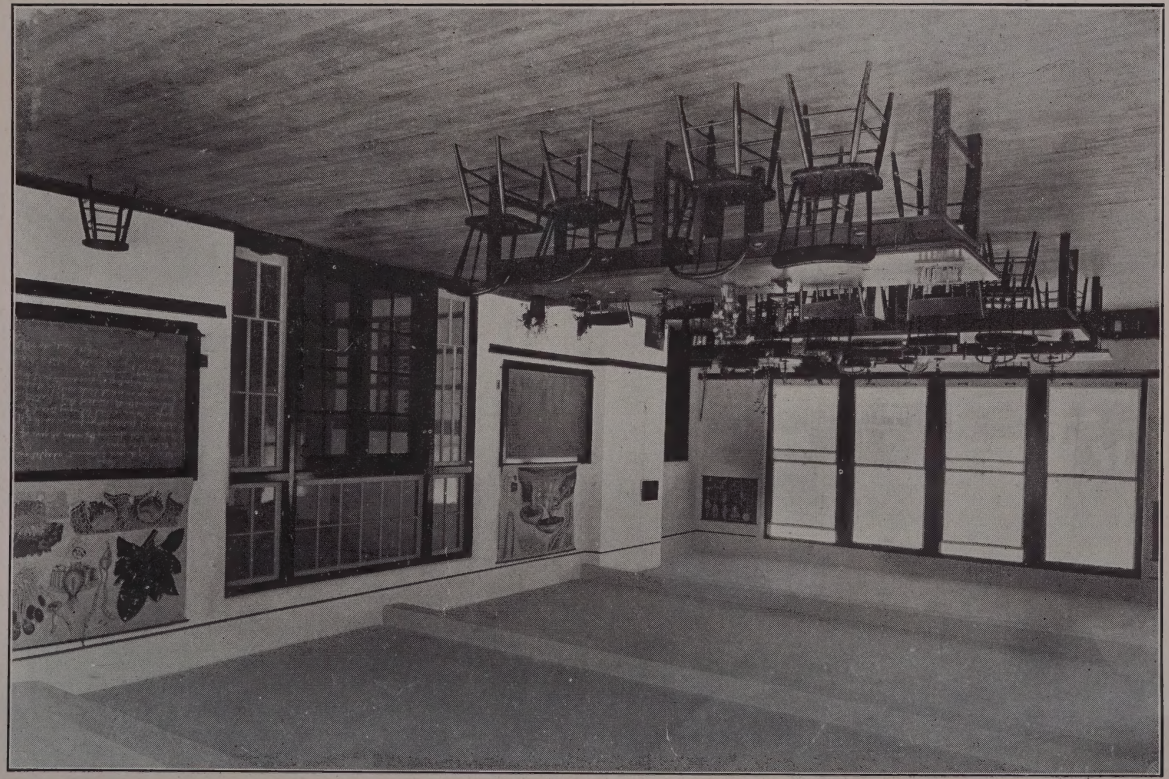
This is a two-year course and has been approved by the State Teachers' Training Board for the training of teachers for elementary schools. One-fifth of the number of credit hours in this course must be in professional sub-

jects including observation and supervised teaching. On the completion of this course a provisional certificate will be granted, valid for four years, for teaching in the elementary schools of the State without examination, after two years of successful teaching experience under the provisional certificate the teacher will be granted a Life certificate to teach in the elementary schools of the State without examination.

Four-year Course.

This is a four-year course approved by the State Teachers' Training Board for the training of high school teachers. One-fifth of the number of credit hours in this coruse must be in professional subjects, including observation and supervised teaching. Completion of this work leads to the four-year provisional high school certificate —after two years of successful teaching under this certificate the teacher becomes eligible to a Life certificate; and is permitted to teach in the high schools of Indiana without further examination.

A SECTION OF THE GENERAL CHEMISTRY LABORATORY



DEPARTMENTS OF INSTRUCTION

AGRICULTURE

Professor Blosser.

ANIMAL HUSBANDRY

I.	Animal Husbandry.	M. W. F. Three Terms.
II.	Dairy Husbandry.	M. F. Fall Term.
III.	Live Stock Judging.	M. F. Spring Term.
IV.	Animal Breeding.	M. W. F. Winter Term.
V.	History of Breeds.	M. F. Fall Term.
VI.	Veterinary Science.	M. W. F. Fall Term.
VII.	Feeds and Feeding.	M. F. Winter Term.
VIII.	Poultry Husbandry.	T. Th. Three Terms.

AGRONOMY

I.	Farm Crops.	M. W. F. Fall and Winter Terms.
II.	Forage Crops.	M. W. F. Spring Term.
III.	Weeds and Weed Control.	M. W. F. Fall Term.
IV.	Soils.	T. Th. F. Fall and Winter Terms.
V.	Agricultural Chemistry.	M. F. Last Half of Year.
VI.	Soil Survey.	M. F. Spring Term.
VII.	Soil Management.	M. F. Winter Term.
IX.	Farm Bookkeeping.	M. W. F. Spring Term.
X.	Farm Machinery.	M. F. Winter Term.
XI.	Farm Engineering.	M. W. F. Fall Term.
XII.	Agricultural Education.	M. F. Spring Term.

HORTICULTURE

I.	Horticultural Practice.	M. F. Spring Term.
II.	Vegetable Gardening.	M. F. Spring Term.
III.	Small Fruits.	T. Th. Fall Term.
IV.	Orchard Fruits.	T. Th. Winter and Spring Terms.
V.	Systematic Pomology.	M. F. Winter Term.
VI.	Landscape Gardening.	M. F. Fall Term.
VII.	Agricultural Botany.	M. F. Fall Term.
VIII.	Plant Pathology.	M. F. Fall Term.
IX.	Economic Entomology.	M. F. Spring Term.
X.	Plant Breeding.	M. F. Winter Term.

For description of above courses see School of Agriculture, page 54.

BIBLE

Professor Detweiler.

OLD TESTAMENT

I. History from the Conquest to the Fall of Samaria. M. W. F. Fall Term

II. Prophecy, from Genesis to Fall of Samaria. M. W. F. Winter Term.

III. The Southern Kingdom. M. W. F. Spring Term.

IV. Literature of the Babylonian Period. M. W. F. Two Terms.

V. Poetry and Wisdom. M. W. F. Spring Term.

NEW TESTAMENT

I. The Gospel of Luke. T. Th. Fall Term.

II. The Book of Acts. T. Th. Winter Term.

III. Pauline Epistles. T. Th. Spring Term.

IV. The Gospel of John. T. Th. Fall Term.

V. The Epistles of John. T. Th. Winter Term.

VI. Catholic Epistles. T Th. Spring Term.

LANGUAGE

I. Greek. M. W. F. Three Terms.

II. Greek. M. W. F. Three Terms.

III. Greek. T. Th. Three Terms.

EXEGESIS

IV. Greek. Epistles to the Romans and Hebrews. T. Th.

RELIGIOUS EDUCATION, PRACTICAL AND HISTORICAL THEOLOGY

Mr. Weaver.

RELIGIOUS EDUCATION

I. History of Religious Education. M. W. F. Fall Term.

II. Principles of Religious Education. M. W. F. Winter Term.

III. The Church School. M. W. F. Spring Term.

PRACTICAL THEOLOGY

I. Missions	T. Th.	Three Terms.
II. Homiletics.	T. Th.	Three Terms.
III. Church History.	M. W. F.	Three Terms.
IV. Sociology.	T. Th.	Three Terms.

HISTORICAL THEOLOGY

I. History of Religion.	M. W. F.	Fall Term.
II. History of Doctrine.	M. W. F.	Winter Term.
III. Psychology of Religion.	M. W. F.	Spring Term.

For description of these courses see Bible School, page 61.

BIOLOGICAL SCIENCE

Assistant Professor Witmer.

III. General Zoology. M. W. F. Three Terms.

A general survey of the animal kingdom. The laboratory work will consist of the dissection of type forms from the groups of invertebrates and vertebrates. Structure and life history will be given first consideration but will be studied in their relations to problems of general interest.

IV. Biology of Insects and Birds. T. Th. Three Terms.

The first half of the year is given to insects. The work will include collection, identification, and dissection. The study of birds in the second half includes dissection of a bird, classification of skins, identification in the field. Throughout the year special attention is given to economic aspects of the subject.

This course may be taken concurrent with course III; otherwise course III is prerequisite.

V. General Botany. M.—F. Three Terms.

The course begins with a study of the structure and physiological processes of seed plants. This is followed by a study of the Thallophyte, Bryophyte, and Pteridophyte groups. The spring term is given to the morphology and

classification of the Spermatophytes. Heredity and related topics are treated at various points through the course.

VI. Human Physiology. M.—F. Fall Term.

This course takes up the various systems of the human body and deals especially with the role they play in relation to health. The recitations include demonstrations in the laboratory. References, charts, and models are also freely used.

VII. Mycology. M.—F. Fall Term.

A study of the fungi. The morphology of a few type forms of the great groups will be studied and as many forms as possible will be collected and identified. Parasitism in relation to plant disease will be given chief consideration. The toadstools and other fleshy fungi will also be studied. Prerequisite course V.

VIII. Bacteriology. M.—F. Winter Term.

A study of microorganisms in relation to hygiene, agriculture, and the home. The laboratory work will cover: principles of sterilization; isolation of bacteria from air, water, milk, and other sources; culture media; methods of staining bacteria; description of bacteria. Prerequisite course III, or course V.

IX. Plant Histology. M.—F. Spring Term.

A study of the tissues and development of tissues in the vascular plants. Cellular phenomena and the light they throw on biological problems are included. The laboratory periods are given to practice in fixing, embedding, sectioning, and staining such materials as can be collected at this season. Prerequisite, course V.

EDUCATION

Professor Fisher.
Miss Martin.

The Educational Department will endeavor to carry

out a five-fold aim: (1) To give the prospective teacher a clear conception of the meaning and importance of education; (2) To give him an understanding of the developing child; (3) To offer elective work so that he may gain a thorough knowledge of the subject-matter which he will be required to teach later; (4) To make him master of efficient methods of teaching; (5) And withal, to give him high ideals, a professional spirit and a desire to grow.

For A, B, and C class certificates and the one-year courses see page 16.

TWO-YEAR COURSE

The two-year course shall consist of a total of academic and professional studies of at least 90 hours of prepared work. The academic subjects should include 15 hours of English, 10 to 15 hours in teachers' courses in elementary schools subjects, 5 hours of science, 10 to 15 hours of Social Science and 5 hours of Physiology. There should be at least 21 hours of professional work including Education I, II, III, VI, IX, and XVII.

Sixteen hours of unprepared work are required in the two-year course. This work may be music, drawing, penmanship, or a prevocational study.

THE FOUR-YEAR COURSE

Students taking the four year course leading to the A. B. degree and the four year high school provisional certificate should register according to the following requirements for graduation. There must be 180 credit hours in subjects of college grade and these should be distributed evenly throughout the junior and senior college courses. By special permission from the faculty students may carry extra hours and complete the requirements for the A. B. degree and the High School Provisional certificate in four years. Twenty-six hours of Education is required in addition to the regular prescribed work.

The professional work should include Education I, X, XIV, XV, XVI, XIX, X, Psychology III, V and VI.

The Academic requirements are 45 hours in a major and 30 hours in a minor subject. See page 14.

I. Introduction to Education. M. W. F. Fall Term.

An introductory course giving a general view and direct approach to the field of education and its concrete problems, for the purpose of giving the beginning teacher the proper appreciation of his work. A study of school systems and typical school units included.

II. Educational Psychology. M.—F. Winter Term.

See Psychology II, page 43.

III. Principles of Teaching. T. Th. Spring Term.

Will make a study of the principles underlying the teaching process; including best methods of teaching and a preliminary study of school-room organization and management.

IV. Tests and Measurements. T. Th. Spring Term.

A study of standard tests and measurements which are being applied to the subjects of the elementary school curriculum, with some practice in giving of the tests.

V. Physiology and Hygiene. M.—F. Fall Term.

Some study of neurology, as an introduction to psychology with emphasis on practical or health aspects and the relation of the health of the child to education.

VI. Special Methods. M. W. F. Fall and Spring Terms.

Special method or technique of handling the fundamental school subjects. Different ones will be taken in the different terms. The work will be closely correlated with supervised teaching

VII. Rural Life. M. F. W. Winter Term.

A brief survey of the changes, sociological and economic, that have taken place in American rural life, followed by a more detailed study of the various agencies looking toward rural betterment.

VIII. Public School Systems. M. W. F. Fall Term.

A study of the systems of administration of American public education, its relation to the scheme of government of civic affairs, and the relation between local and central agencies. Organization, administration, maintenance, the teaching staff, grading and promoting pupils, school records and reports will be treated. Comparison will be made between the outstanding features of the American systems and those of the systems of the leading European countries.

IX. Class-room Management. T. Th. Winter Term.

A study of class-room organization, class-room routine, making of the daily program, discipline and professional ethics. The social side of the class-room will be studied and the work correlated with supervised teaching.

X. Principles of Education. M. W. F. Spring Term.

A study of the meaning and aim of education in the light of the biological, mental and social sciences. Social efficiency and individual development will be discussed with a view of finding the proper relation between them.

XI. The Curriculum. T. Th. Spring Term.

An evaluation of the curriculum based on the demands of modern life, which are interpreted as demands for physical fitness, vocational efficiency, the right use of leisure, effective citizenship and moral and religious expression. An attempt will be made to relate in a vital way the activities of the school to the actual needs of society.

XII. Children's Literature. T. Th. Spring Term.

A study of children's literature from both the literary and educational points of view. A study will be made of folk tales, stories, rhymes, and poems. These will be classified according to the ages of children. The courses will require extensive reading in children's classics.

XIII. Primary Methods. M. W. F. Winter Term.

Methods applying to the work in the first four grades will be studied, with special emphasis on teaching to read, phonics, dramatization and oral expression.

XIV. History of Education.
M. W. F. Fall and Winter Terms.

The purpose of this course is to give an historical understanding of the present day situation and tendencies in education. Almost the entire course will be devoted to tracing educational developments since the Renaissance, and chief emphasis will be placed on education in America.

XV. Secondary Education. M. W. F. Spring Term.

A brief study of the growth of the American high school, and a comparison of the same with the secondary schools of Europe will be followed by a study of present problems. Among the topics considered will be the curriculum, method, management, the Junior high school and the relation of the high school to elementary and higher education.

XVI. Testing in High School Subjects.
M. W. F. Spring Term.

This will be a study of testing of results in high school subjects and practice in giving the tests.

XVII. Observation of Teaching. Three Terms.

Observation will precede supervised teaching. One hour each week will be spent in systematic observation. The work will be closely correlated with the prepared courses. The observation will be in the Goshen city schools and the rural demonstration school.

XVIII. Supervised Teaching. Winter and Spring Terms.

Supervised teaching will be scattered throughout the first year and will be an important feature of the work in the last two terms of the two-year course. Most of the teaching will be done in rural schools. Each student shall have charge of a room during an entire session for a number of consecutive days. The sessions shall include the play periods. Each teaching period will be followed by a personal conference between supervisor and teacher. The work will be closely correlated with class-room management and methods.

XIX. Teaching of Special High School Subjects.

(Hours to be arranged) One Term.

Three hours in the technique of teaching will be given in each of the departments. The student should choose the course corresponding to his major and senior subjects. This course should be taken before doing supervised teaching.

XX. Observation and Supervised Teaching in High School Subjects. (Hours to be arranged.)

Observation will be correlated with the regular courses. Candidates for the provisional certificates must do not less than 5 hours of actual teaching under supervision and in the subjects in which the certificate is sought.

XXI. Physical Education.

One Hour. Fall and Winter Term.

Games and gymnastic exercises of a corrective and recreative nature.

XXII. Plays and Games. One Hour. Spring Term.

Playground activities and contests that are suited to pupils in elementary schools.

TEACHERS' COURSES.

I. Human Physiology. Five Hours. Fall Term.

(This course should precede psychology.)

II. Sociology. Two Hours. Winter and Spring Terms.
III. Social Science. Three Hours. Spring Term.
IV. Grammar. Two Hours. Fall Term.
V. Arithmetic. Two Hours. Spring Term.
VI. Geography. Five Hours. Spring Term.
VII. Oral English. Three Hours. Spring Term.

VIII. Penmanship. Fall and Winter Terms.

Students whose hand writing does not measure up to some standard scale will be required to take this course until they can do so. Directions are given for the proper position at the desk, the proper movement, so that the student may learn to write legibly and rapidly without tiring. An unshaded, simplified style is taught.

IX. Vocal Music. T. Th. Three Terms.

The cultural value to a student of a course in music is alone sufficient reason for his pursuing it. This particular course in vocal music, or Sight Singing, will give him sufficient musical knowledge and training to meet the demands made of the teacher in the public schools. The course includes a thorough drill in scale and interval singing, ear-training and dictation, time subdivision and part singing and all theoretical material essential to good sight singing. See also Sight Singing I and II, page 80.

NOTE: For description of other courses in music, see School of Music, page 72.

X. I. Public School Art.
Double Period. T. W. Three Terms.

This course will present the theory, methods and psychology of teaching drawing in the public school grades. It will consist also of realistic and decorative drawing, picture study, design and construction.

II. Public School Art.
Double Period. T. W. Three Terms.

A course in High School drawing including the study of principles of design and color, with practice in the making of posters, advertisements and other forms of Com-

mercial Art and designing for interior decoration.

ENGLISH

VI. English Composition. T. Th. Three Terms.

A study of the principles of correct and effective expression, with as much practice as the time permits.

Linn's Essentials of Composition and The Century Handbook of Writing are used.

VII. Practical Public Speaking. T. Th. Three Terms.

A course in public speaking, with the emphasis on its practical application for the purpose of training students to meet actual situations. Shurter's Public Speaking is the chief text used.

IX. History of English Literature.
M. W. F. Three Terms.

A historical survey of English literature from its beginning to the present time. As much illustrative supplementary reading will be done as time allows. Pancoast's History and Century Readings will be used.

X. Romantic Poetry. M. W. F. Three Terms.

This course will include a critical study of the chief works of Wordsworth, Coleridge, Byron, Shelley, and Keats.

XI. Literary Criticism Applied to the Short Story and Modern Verse. M. W. F. Three Terms.

During the first term the fundamental principles of literary criticism will be studied. This knowledge will then be applied in a practical way during the succeeding terms to the study of the Short Story and recent Modern Poetry.

XV. Anglo-Saxon, Chaucer, Lounsbury.
M. W. F. Three Terms.

This is a critical, but appreciative, study of the English language. First, Anglo-Saxon grammar is studied and various selections of poetry and prose are read; then the

Prologue of The Canterbury Tales is read, together with as many Tales as possible; following this, Lounsbury's History of the English Language is carefully studied.

XVI. History of American Literature.
T. Th. Three Terms.

A comprehensive study of the great movements and writers of America, with as much attention paid to minor writers as their position warrants. The amount and nature of the supplementary reading required will be determined by the needs of the class. Wendell and Grenough's and Calhoun and MacAlarney's texts are used.

FRENCH

Professor Zook.

French I. M. W. F. Three Terms.

This course aims to give the student a practical acquaintance with the essentials of French grammar and enable him to turn short English sentences into idiomatic French and vice versa. Careful attention is given to pronunciation and colloquial drill in connection with the reading of easy French prose. The selections read vary from year to year. Open to students who have had two years of foreign language.

French II. T. Th. Three Terms.

This course is a continuation of French I and is primarily a reading course. The books read deal with French life and the selections give the student a knowledge of the national traits and conditions as well as a thorough drill in translation which develops in the student the ability to read moderate French at sight.

French III. M. W. F. Three Terms.

A systematic review of French grammar and composition with a careful reading of more difficult modern texts. There will be regular summaries based upon the text read and a careful study of idioms with weekly written exercises in composition.

French IV. T. Th. Three Terms.

Primarily a reading course based upon the modern French novel. This course is open to students who have completed or are pursuing French III.

GERMAN

Professor Gerig.

I. German. M. W. F. Three Terms.

This is a course open to college Freshmen or other college students who desire to begin the language. The essentials of German grammar, practice in proper pronunciation, oral and written reproduction of simple English exercises and expressions form the basis of the work.

II. German. M. W. F. Three Terms.

The work of the year consists in a review of grammar topics, the study of several standard works of literature chosen from both classic and modern authors.

III. Reading course. M. W. F. Three Terms.

The first term is devoted to the rapid reading of some production of prose literature. The second and third terms are devoted to drama. Oral composition will supplement the reading throughout the year.

IV. Composition. T. Th. Three Terms.

The work in this course consists of translation of English exercises into German, paraphrases of stories, epistolary writing and original composition.

V. Schiller and Goethe. M. W. F. Three Terms.

This year's work will be devoted to the study of work taken from Schiller and Goethe. Several works will be assigned for collateral reading and reports on them are required.

VII. Nineteenth Century Literature.

M. W. F. Three Terms.

The first half of the year is given to the study of the

writing of the Romantic School. The selections for the last half are taken from the productions of late authors. Reports on assigned topics are required each term. Prerequisite, German III.

VIII. History of German Literature.
T. Th. Three Terms.

A study of the History of German literature and the forces that have been instrumental in its development. Not given 1920-21.

IX. Scientific German. T. Th. Three Terms.

This course offers an opportunity to become familiar with the vocabulary and idioms peculiar to chemistry, physics, political economy, botany and the technical industries. Not given 1920-21.

HISTORY, POLITICAL SCIENCE AND ECONOMICS

Mr. Meyer.

IV. American History from 1492 to 1783.
M. W. F. Fall Term.

V. American History from 1783 to 1850.
M. W. F. Winter Term.

VI. American History from 1850 to Present Time.
M. W. F. Spring Term.

The American History courses IV, V, and VI, are planned to make a general course in the subject. Credit will be given for a single term but the student should take the whole course unless he is given special permission from the instructor. Bassett's text will be used as a basis but reading from other standard works will be assigned. This course is open to Freshmen.

VII. American Diplomatic History.
M. W. F. Spring Term.

A study of the foreign relations of the United States with emphasis on the Monroe Doctrine, The Open Door

Policy, International Congresses, International Arbitration, Expansion, the American part in the World War and the League of Nations and similar problems. This course is for Juniors and Seniors.

VIII. Latin America. M. W. F. Spring Term.

This course is planned to give a brief survey of the development of Latin America from 1492 to the present time. The Spanish and Portuguese colonial policies, the struggle for independence, as well as the social and economic problems of the present time will be discussed. This course is open to Juniors and Seniors.

IX. Mediaeval European History. M. W. F. Fall Term.

This is a general course on European History from the decline of Rome to the Protestant Reformation. The migrations, and the development of the political and religious institutions will be traced. The Renaissance and the Empire of Charlemagne will be emphasized. Thorndyke, Emerton, Harding, Robinson and other standard texts will be used. This course is open to Freshmen.

X. Modern Europe from 1500 to 1815.
M. W. F. Winter Term.

This is a continuation of course IX. Special emphasis will be given to the social, political and religious conditions that brought about the Reformation, the Thirty Years' War, and the French Revolution. The rise and development of modern nations will be traced to 1815. Robinson, Hayes, Harding and other standard works will be used. This course is open to Freshmen.

XI. Nineteenth Century Europe. T. Th. Three Terms.

The development of modern European nations will be traced in this course from 1815 to the present time. Social and economic problems, the industrial revolution, the development of liberal governments, and the status of modern European nations will be discussed. A thesis will be required. This course is open to Juniors and Seniors.

XII. English History. M. W. F. Three Terms.

In this course the development of Great Britain will be traced from the beginning to 1815. Particular emphasis will be given to the development of the English constitution and the parliamentary system. Reports will be required from the students. This course is not open to Freshmen.

ECONOMICS

I. Principles of Economics.

M. W. F. Fall and Winter Terms.

The purpose of this course is to give the student an introduction into the theory as well as to furnish some insight into the practical problems of economics. Such problems as, the organization of production, exchange, money, trade, distribution, labor problems, transportation, banking, taxation and socialism will be discussed. Taussig, Fetter, Seager, Marshall, and other standard works will be used. Men who are working in the practical fields may be called in to lecture to the class. This course is not open to Freshmen.

II. Economic History of the United States.

T. Th. Fall Term.

This course is designed to furnish the student with the economic background for the interpretation of the political and social development. The economic aspects of slavery, the Revolution, the tariff, the Civil War, the paper money movement, the free silver movement, and similar problems will be discussed. A thesis will be required. Not open to Freshmen.

III. Economic History of England. T. Th. Winter Term.

A study of the industrial development of England with special emphasis on the period from 1750 to the present time. The Industrial Revolution with its results will be traced. Labor problems and conditions, the tariff, transportation, the factory system and similar problems will be discussed. A thesis will be required. Not open to Freshmen.

POLITICAL SCIENCE

I. American Government. T. Th. Three Terms.

This course will be a survey of the National Government in action. The constitution will be studied in the light of its historical development as well as in its relation to the state constitutions and state governments. The relation of the several departments of the national government will be emphasized. This course is not open to Freshmen. Not given in 1920-21.

II. European Governments. T. Th. Three Terms.

This course is a comparative study of the European governments. The development of the parliamentary systems will be traced with emphasis on the extension of the right of suffrage, proportional representation, plural voting, and such other issues as are related to the development of democratic government. This course is not open to Freshmen. Not given in 1920-21.

III. International Law. M. W. F. Fall and Winter Terms.

This course will be a study of the nature and sources of international law, the intercourse of states, the law of war, the law of neutrality and similar problems. The development of the methods of settlement of international differences will be emphasized. Some of the leading cases in international law will be discussed. This course is not open to Freshmen.

HOME ECONOMICS

Miss Zook.

I. Food Study. M.—F. Fall Term.

Food production and manufacture; chemical composition; changes brought about by heat, cold and moisture; desirable combinations; preparation and serving of meals. Prerequisite or parallel, General Chemistry.

II. Food Chemistry. M.—F. Winter Term.

Examination and testing of food materials, food adul-

terations and preservatives. Study of proteins, carbohydrates and fats, their use and digestibility. Prerequisite, General Chemistry and Food Study.

III. Nutrition and Dietetics. M.—F. Spring Term.

Relation of food requirements to climate, age, sex and occupation; well selected dietaries and food values; demonstration and contest work. Prerequisite, Food Chemistry.

IV. Sewing. M. W. F. Fall Term.

This course aims to give the student a knowledge of stitches, seams and hems and their application to garments; the use of the sewing machine and its attachments. Cutting, fitting and making garments for the individual student.

V. Sewing and Textiles. M. W. F. Winter Term.

This course is a continuation of IV, with more technical and advanced work in garment making for the student.

VI. Dressmaking and Textiles. M. W. F. Spring Term.

Study and use of the commercial pattern; study of textile fibers, tests for adulteration, care of clothing, artistic, economic and hygienic dress, clothing conservation. Making outer garments for students.

VII. Costume Design. M. W. F. Spring Term.

Study of color, line, and texture in relation to costume design for different types; designing garments appropriate to different types; designing and making silk and lingerie dresses for the student.

VIII. Household Sanitation. T. Th. Fall Term.

The course includes home and community hygiene; discussion of food and water supply in relation to health, sanitary construction, heating, lighting, ventilating, and plumbing; sewage disposal; school sanitation and infant welfare; health education.

IX. Household Administration. T. Th. Winter Term.

Principles of household finance; cost of living; household budgets; division of the income; division of labor; domestic service; business principles in the home.

X. House Planning and Furnishing. T. Th. Spring Term.

Choosing the site and type of house adapted to it; plans for the modern house; furnishing and decorating the home; arrangement and care of the house and its furnishings.

XI. The Teaching of Home Economics.
M. W. F. Fall Term.

The place of Home Economics in the elementary and secondary schools; its relation to other subjects; discussion of courses of study; making lesson plans; collecting illustrative material. Observation and practice teaching.

XII. The Family. M. W. F. Winter Term.

Historical development of the home; the family as a social institution; study of the modern family. Collateral reading and reports. Open to Juniors and Seniors.

LATIN

Professor Gerig.

IV. Latin. M. T. Th. F. Three Terms.

The fourth year will be given to the study of Latin poetry. In the first and second terms four books of Virgil will be read. Careful attention will be given to the literary merits of this great poem and comparisons will be made between it and other great world epics.

V. Latin. M. W. F. Three Terms.

This year's work aims to give the student an appreciation of the life and spirit of the Romans. The inflection of nouns and verbs is carefully reviewed. Special attention is given to word analysis and syntax. In the first year Cicero's De Senectute and De Laelio will be

read; second term Cicero's Tusculan Disputations; third term, Livy, Book V.

VI. Poetry and Horace. T. Th. Three Terms.

Odes and Epodes, Selections from Satires and Epistles.

VII. Latin. M. W. F. Three Terms.

The basis of this year's work will be the plays of Plautus and Terence.

VIII. Classic Literature in English.
M. W. F. Three Terms.

A study of the leading masterpieces from Greek, Latin, Italian and other literatures from English translations.

MATHEMATICS AND ASTRONOMY

Professor Lehman.

IV. Algebra. T. Th. Three Terms.

This course presupposes a thorough course in Elementary Algebra. After some reviewing special attention is given to the theory of exponents, logarithms, radicals, quadratic and higher equations, variables and limits, complex numbers, determinants, and theory of equations. Required course.

V. Trigonometry. W. F. Three Terms.

It includes the use of logarithms, drawing to scale, computing heights and distances of inaccessible objects, solving triangles, developing formulae, verifying identities, solving equations, and checking results numerically and graphically. Required course.

VI. Analytic Geometry. T. Th. Three Terms.

A thorough discussion of loci and their equations, including the straight line, circle, parabola, ellipse, hyperbola and the elements of geometry of space. A large number of problems are solved.

Some of the following courses will be given if there is a demand for them.

VII. Advanced Analytic Geometry. T. Th. Three Terms.

A review and continuation of the work of Course VI.

VIII. History and Teaching of Mathematics.
W. F. Three Terms.

Several standard works will be studied and compared. Modern methods and movements will be discussed.

IX. Calculus. M. W. F. Three Terms.

This course includes most of the topics, and a liberal selection of problems, from Granville's Differential and Integral Calculus. Prerequisite IV, V, VI.

X. Advanced Calculus. T. Th. Three Terms.
Texts: Lamb and Osgood.

XI. Differential Equations. M. W. F. Three Terms.
Murray's and Cohen's texts.

XII. Descriptive Astronomy.
Twice a Week. Three Terms.

The work begins with observation of the planets, the moon, the constellations, and other phenomena. The equatorial telescope is studied and used. Text books, charts and journals are studied.

XIII. General Astronomy. Twice a Week. Three Terms.

This involves a more exact study of the science of astronomy than does XII. No mathematics beyond Trigonometry and Analytics (VI) is required.

MUSIC

Professor Ebersole.

Mr. Holtkamp.

I. Solfeggio, Ear Training, Dictation.
M. Th. Three Terms.

I. Harmony. T. F. Three Terms.

II. Harmony. T. F. Fall and Winter Terms.
III. Harmonic Analysis. T. F. Spring Term.
IV. Simple Counterpoint. M. Th. Fall and Winter Terms.
V. Analysis of Music Form. M. Th. Spring Term.
VI. Advanced Counterpoint. T. F. Three Terms.

VII. History and Appreciation of Music.
T. F. Three Terms.

For description of above courses see School of Music, page 72.

PHILOSOPHY AND PSYCHOLOGY

Professor Fisher.

PHILOSOPHY

I. Introduction to Philosophy. T. Th. Fall Term.

This course is designed for beginners. It will include a definition of terms, a statement of the fundamental problems, and a characterization of the several great systems of thought. Not given 1920-21.

II. Contemporary Philosophy.
T. Th. Winter and Spring Term.

A study of some of the writings of pragmatism, Bergsonism, new realism, and modern idealism. Prerequisite, I. It will be to the advantage of the student to have had V.

III. Logic. M. W. F. Fall Term.

A study of deductive and inductive methods of reasoning. Not given 1920-21.

IV. Ethics. M. W. F. Winter and Spring Terms.

An analysis and comparative study of ethical theories. Constant reference will be made to present social and economic conditions for illustration and interpretation. The historical and constructive aspects will receive some attention. Not given in 1920-21.

V. History of Philosophy. Fall and Winter Terms.

The development of philosophy from its beginnings

among the Greeks to the present time. The great systems of the ancient and modern periods will receive chief attention. A standard text will be supplemented by considerable reading from original sources. Prerequisite, I.

VI. Classics in Philosophy. M.—F. Spring Term.

The term will be devoted to reading several typical dialogues of Plato, and a number of classics from the modern period of philosophy. Prerequisite V. Not given 1920-21.

PSYCHOLOGY

I. How to Study. One Hour. Fall Term.

Ten lectures placed at the beginning of the student's course for the purpose of helping him assume a proper attitude toward, and form right habits in attacking his subjects. Selected readings.

II. Educational Psychology. M.—F. Winter Term.

For beginning teachers. A study of those phases of psychology which are directly related to the learning and teaching processes. Periods of child development, native tendencies, habit formation, laws of learning, individual differences, and mental fatigue are topics especially emphasized.

III. Advanced Psychology.
T. Th. Fall and Winter Terms.

A course in the fundamentals of general psychology. While it is desirable that students taking this course have some knowledge of psychology, it will be given in such a way that mature students having had no previous courses in the field will be able to do the work.

IV. Experimental Psychology. T. Th. Winter Term.

A laboratory course for those who have, or are taking course II.

V. Psychology of High School Subjects.
M. W. F. Winter Term.

This will be advanced psychology and its application

to the teaching of the high school subjects.

VI. Psychology of Thinking. M. W. F. Spring Term.

A course centering around the analysis of the thought process, stressing the intimate relation between induction and deduction, and endeavoring to help the student develop methods of effective thinking. The educational implications of the course will be pointed out.

PHYSICAL SCIENCE

Professor Kurtz.

CHEMISTRY

II. General Chemistry. T.—F. Three Terms.

This course aims to give the student a comprehensive view of the fundamental principles of chemistry both as a general culture subject, and as a foundation for more advanced chemical work. The work of the three terms includes (a) a study of several typical elements and such subjects as the laws of chemical combinations, solutions, ionization, and valence; (b) the nonmetals and the subjects of chemical equilibrium, the periodic law, and molecular and atomic weights; (c) the metals and industrial chemistry.

III. Qualitative Analysis. M.—F. First Half Year.

Laboratory work, lectures and recitations on the principles and practice of Qualitative Analysis. The course consists largely of experimental work in the laboratory. In the lectures a careful study is made of the laws of chemical equilibrium, and the theories of solution and electrolytic disassociation as well as their practical application to analytical chemistry. Prerequisite, General Chemistry.

IV. Organic Chemistry. M.—F. Last Half Year

The course deals with the chief classes of organic compounds both of the aliphatic and aromatic series. Prerequisite, General Chemistry.

V. Quantitative Analysis. M. W. F. Three Terms.

A careful study is made in the laboratory of the principles of gravimetric and volumetric analysis as applied to the separation and determination of the common bases and acids found in salts, minerals, etc. For Agricultural students the analysis of feeds, soils, fertilizers and similar compounds will be taken up after the general principles of quantitative analysis have been mastered. Prerequisites, General Chemistry and Qualitative Analysis.

The Department of Home Economics offers a course in food chemistry.

PHYSICS

VI. General Physics. M. W. F. Three Terms.

This course is intended to acquaint the student with the elementary facts and general principles of physical science. Prerequisite, Elementary Physics and Trigonometry. Two recitations and one lecture per week. Two hours' credit.

VII. Experimental Physics. Three Terms.

Laboratory work arranged to accompany the course in General Physics. The class meets five hours a week and the work counts for two credits. Hours to be arranged.

EARTH SCIENCE

VIII. Geology. M. W. F. Three Terms.

This course will be a brief and general survey of the entire field of Geology. The purpose of the work is to become acquainted with the leading facts concerning the formation, structure and history of the earth. The geological processes, Diastrophism, Vulcanism, and Graduation are carefully considered, preparatory to the study of Historical Geology.

ACADEMY

Daniel A. Lehman, Principal.

The work in the Academy covers four years and is outlined especially for those who contemplate the completion of a college course.

Within prescribed limitations the student elects courses with the advice of the Principal. These courses form four years of systematic instruction suited to his peculiar needs. The completion of this work will prepare the student for entrance to the best colleges and professional schools, or give a limited education for general culture to those who find it impossible to get a college education.

Students who present certificates showing that they have completed the work of the eighth grade of common school studies and those holding teachers' certificates will be admitted without examination. Those who are not sufficiently advanced to take the regular course in the Academy will be required to take preparatory work in the common branches.

REQUIREMENTS FOR ACADEMY DIPLOMA

In the Academy all courses have four hours' recitation each week. Four such courses is the regular work of each student. One of these courses taken throughout the year of three terms of nine months is the unit of credit. For graduation sixteen units are required of which the following are prescribed:

English	3 units
Mathematics	2 units
Foreign Languages	2 units
Ancient History	1 unit
Science	1 unit

Electives:

Additional units chosen from above group 2 units
Electives ..... 5 units

Total for Graduation .....16 units

The five electives may be selected from any of the subjects in the Academy and within certain limitations from the other schools of the college.

CURRICULUM

General

FIRST YEAR

FIRST TERM	SECOND TERM	THIRD TERM
Latin I	Latin I	Latin I
Algebra I	Algebra I	Algebra I
Botany I	Botany I	Botany
English I	English I	English I

SECOND YEAR

Latin II	Latin II	Latin II
Ancient History I	Ancient History I	Ancient History I
Plane Geometry II	Plane Geometry II	Plane Geometry II
English II	English II	English II

THIRD YEAR

Latin III	Latin III	Latin III
Greek I, or	Greek I, or	Greek I, or
German I	German I	German I
Zoology II	Zoology II	Zoology II
Solid Geometry IIIa	Algebra IIIb	Algebra IIIc

FOURTH YEAR

Latin IV, or	Latin IV, or	Latin IV, or
U. S. History	U. S. History	Civics
Greek II, or	Greek II, or	Greek II, or
German II	German II	German II
Physics I	Physics I	Physics I
English III	English III	English III

Biblical

FIRST YEAR		
FIRST TERM	SECOND TERM	THIRD TERM
Latin I	Latin I	Latin I
Algebra I	Algebra I	Algebra I
English I	English I	English I
Times of Jesus	Life of Jesus	Life of Jesus

SECOND YEAR		
Latin II	Latin II	Latin II
Plane Geometry II	Plane Geometry II	Plane Geometry II
Ancient History	Ancient History	Ancient History
Biblical Intro. O. T.	Biblical Intro. O. T.	Biblical Intro. O. T.

THIRD YEAR		
Greek I	Greek I	Greek I
Zoology II, or	Zoology II, or	Zoology II, or
Botany I	Botany I	Botany I
English II	English II	English II
Biblical Intro. N. T.	Biblical Intro. N. T.	Biblical Intro. N. T.

FOURTH YEAR		
Greek II	Greek II	Greek II
Physics I	Physics I	Physics I
English III	English III	English III
Church History	Church History	Church History

ACADEMY AGRICULTURE

I. Agronomy. T.—F. Fall Term.

This is an elementary study of plants, soils, cereal crops, legumes, forage crops, weeds, and field management.

II. Horticulture. T.—F. Winter Term.

The production of both large and small fruits for home use will be studied. Recitations, laboratory work and reports.

III. Vegetable Gardening. T.—F. Spring Term.

A study of the various vegetables for home and market use will be made. Laboratory work will consist of practical work in the greenhouse and garden.

IV. Soils. T.—F. Fall Term.

This is an elementary study of different types of soils as to: formation, structure, texture, use of organic matter, use of fertilizers, drainage and general management.

V. Animal Husbandry. T.—F. Winter Term.

This course takes up the study of breeds of live stock, judging, composition of feeds, feeding and general management.

VI. Poultry. T.—F. Spring Term.

A study of classes and breeds, principles of housing, feeds, and feeding, incubation and care of chicks.

BIBLE

Biblical Intro. Old Testament T. F. Three Terms.
Biblical Intro. New Testament. T. F. Three Terms.
Life of Jesus. T. F. Fall and Winter Terms.
Life of Paul. T. F. Fall Term.
Leaders in the Christian Church. T. F. Winter Term.
Leaders in Christian Missions. T. F. Spring Term.
Personal Work.

For description of above courses see page 61.

BUSINESS

I. Bookkeeping. M.—F. Three Terms.
II. Gregg Shorthand. M.—F. Three Terms.
III. Commercial Arithmetic. T.—F. Fall and Winter.
IV. Commercial Geography. T.—F. Spring Term.
V. Commercial Law. T.—F. Spring Term.
VI. Typewriting. M.—F. Three Terms.

For description of above courses see School of Business, page 88.

ENGLISH

I. English. M.—Th. Three Terms.

a. Classics: Selections for study and reading will

be made from Silas Marner, Twice Told Tales, Franklin's Autobiography, Last of the Mohicans, Ivanhoe, The Lady of the Lake, and As You Like It.

b. Composition and Rhetoric, including a review of grammar, two hours each week throughout the year.

II. English. M—Th. Three Terms.

a. Classics: Selections for study and reading will be made from the House of Seven Gables, Treasure Island, Vision of Sir Launfal, selections from Odyssey, Julius Caesar and Merchant of Venice.

b. Composition and Rhetoric, two hours each week throughout the year.

III. English. M.—Th. Three Terms.

History of American Literature and selections from Washington's Farewell Address, Webster's First Bunker Hill Oration, Chief American Poets and Short Stories.

IV. English. M.—Th. Three Terms.

History of English Literature and Selections from Burns, Carlyle's Essay on Burns, Milton's Minor Poems, Two Books of Paradise Lost, Tennyson's Idylls of the King, Palgrave's Golden Treasury, Macbeth and Hamlet.

HISTORY

Early European History. M.—Th. Three Terms.

This course covers European history from the prehistoric times to the seventeenth century. The civilizations of Greece and Rome, the great movements of people, the great movements of thought such as the Renaissance and the Reformation, will be studied with special emphasis on those factors which were influential in determining modern civilization.

II. United States. M.—Th. Fall and Winter Terms.

The entire field will be covered. This course is to give a general survey of the history of the United States from the discovery of America to the present.

III. Civics. M.—Th. Spring Term.

This is an elementary course in the study of the machinery of government, and obligations and privileges of citizenship.

HOME ECONOMICS

I. Sewing. T. Th. Winter Term.

This course consists of making stitches, seams, hems and their application to garments. Hand and machine sewing. Garments for the individual student. Care of clothing.

II. Cooking. T. Th. Fall Term.

This course aims to give the student some of the underlying principles in the preparation of typical foods, serving of simple meals, care of kitchen, pantry and dining rooms.

LATIN

I. Latin. M. T. W. F. Three Terms.

It is of great importance that the first year of Latin should lay a good foundation for the work of the following years. Careful attention is given to the mastery of inflection and the most important rules of syntax. The student is trained from the beginning to translate into good Latin, easy exercises which are dictated by the instructor. An attempt is made to train the beginner to grasp the meaning of the Latin before translating, and then to render into idiomatic English. The spring term is devoted to easy reading.

III. Latin. M. W. Th. F. Three Terms.

This year's work will begin with the study of the four orations against Catiline. These will be followed with several weeks in Latin prose composition. Then two more of Cicero's orations will be read. The third term will be given to Sallust's Catiline. During the year's work an attempt will be made to gain a knowledge of Roman

life and customs. Some sight reading will be done in connection with assigned work.

IV. Latin. M. T. Th. F. Three Terms.

The fourth year will be given to the study of Latin poetry. In the first and second terms four books of Virgil will be read. Careful attention will be given to the literary merits of this great poem and comparisons will be made between it and other great world epics. The third term will be devoted to a study of Ovid's Metamorphoses.

MATHEMATICS

I. Elementary Algebra. T.—F. Three Terms.

This course passes by easy steps from problems in Arithmetic to Algebra. It includes the elements of quadratic equations, of proportion and variation. Many of the processes of elementary science are treated. Most of the time is spent on the fundamental processes, factoring, the statement of problems, and the solving of equations.

II. Plane Geometry. M. T. W. F. Three Terms.

The course begins with the organization of the student's past knowledge of form and with simple construction. Interest is aroused by the use of historical notes on the life and work of Euclid and other great mathematicians. Many original exercises, some of the elements of Trigonometry and application in the mechanical arts of statement and logical reasoning.

IIIa. Solid Geometry. M. Th. Three Terms.

The methods pursued in plane geometry are continued and special attention is given to the solution of problems and the demonstration of propositions without the aid of a text.

IIIb. Advanced Academy Algebra. T. F. Three Terms.

The subjects of Elementary Algebra are reviewed, with emphasis on quadratic equations, radicals, fractional exponents, proportion, variation, and the binomial theorem.

MUSIC

I. Sight Singing. M. Th. Three Terms.

I. Ear Training and Dictation. M. Th. Three Terms.

II. Sight Singing, Ear Training and Dictation. M. Th. Three Terms.

For description of these and other courses in music see School of Music, page 72.

SCIENCE

I. Botany. M. T. Th. F. Three Terms.

Roots, stems, leaves, flowers, and seeds of our common plants will first be studied. Then the simpler plants as bacteria, pond scums, molds, rusts, mosses, and ferns will be taken up. There will be identification of flowering plants in the spring term.

II. Zoology. M.—Th. Three Terms.

The course begins with a study of insects. Later the other main groups of animals including fishes, frogs, reptiles, birds and mammals are studied. Some field work will be done in connection with the laboratory periods.

III. Physics. M.—Th. Three Terms.

This is a general course extending over the entire subject. Its object is to give the student a thorough knowledge of the simpler experimental facts of physics. It treats of the general properties of matter, mechanics, sound, light, heat, magnetism and electricity. The work of the class room and laboratory supplement each other and are considered of equal importance. Each student is required to keep a complete and accurate record of the experiments performed.

SCHOOL OF AGRICULTURE

*HENRY FRANK REIST, President.

IRVIN R. DETWEILER, Acting President.

CHRISTIAN B. BLOSSER, Dean
..... Agronomy and Horticulture

SAMUEL W. WITMER ..... Biology and Botany

JONATHAN M. KURTZ ..... Physical Science

DANIEL A. LEHMAN ..... Mathematics

JOHN E. WEAVER ..... Bookkeeping

It is the aim of the School of Agriculture to offer such courses as will insure not only a broad cultural education but also a thorough training in the science as well as the art of Agriculture. It is our purpose to correlate in so far as is possible the theory taught in the class room with actual practice in the fields and buildings of the College Farm.

Four distinct types of work are offered: A regular four year course of study; a twenty-four weeks' short course; courses for teachers; and courses in the Academy for high school students.

COLLEGE COURSE

The four years course is of college grade and is organized into three Departments; a Department of Animal Husbandry; a Department of Agronomy; and a Department of Horticulture. Students are thus given the opportunity to follow their particular lines of interest. The courses in the first two years are prescribed. A considerable number of electives are allowed in the last two years as is shown in the outline of courses.

Students are required to major in one of the three

*Absent on leave.

Departments at the beginning of the Junior year, subject to the general regulations of the College.

SHORT COURSE

The twenty-four weeks' course is offered for the benefit of those who have not had high school training or for other reasons are not in a position to do more extensive work. The work consists of class and laboratory exercises adapted to the special needs of young men expecting to do practical farm work.

The course is offered during the winter term of two successive years. Certificates are granted to persons who satisfactorily complete the full course.

TEACHERS' TRAINING COURSES

Courses for the training of elementary and high school teachers in agriculture are offered.

ACADEMY COURSES

Courses in High School Agriculture are offered in the Academy for the benefit of students who are interested in this line of work. See page 48.

DEGREE

The amount of work required for graduation with the degree of Bachelor of Science in Agriculture is one hundred and eighty term hours.

PRESCRIBED SUBJECTS:

English	15 hours
Chemistry	16 hours
Mathematics	10 hours
Biological Science	16 hours
Physics	12 hours
Agriculture	75 hours

COURSE OF STUDY

FIRST YEAR

FIRST TERM	SECOND TERM	THIRD TERM
Farm Crops I.....3	Farm Crops I 3	Farm Crops II... 3
Chemistry II 3	Chemistry II 3	Chemistry II 3
English VI 2	English VI 2	English VI 2
Botany IV 5	Botany IV.....5	Agricultural Botany ...5
Animal Husbandry VIII.2	Animal Husbandry VIII.2	Animal Husbandry VIII.2

SECOND YEAR

Animal Husbandry I...3	Animal Husbandry I...3	Animal Husbandry I...3
Chemistry III 5	Chemistry III, Soils IV.5	Soils IV.....5
Mathematics IV.....5	Mathematics IV.....5	Animal Husbandry VII..5
Zoology III.....3	Zoology III.....3	Entomology.....3

THIRD YEAR

Agronomy V.....3	Agronomy V.....3	English XI 3
English XI 3	English XI.....3	Physics VI, or.... . . 4
*Physics VI, or.....4	Physics VI, or.....4	Horticulture I.....5
Animal Husbandry II...5	Agronomy X.....5	Electives 7
Electives..... 4	Electives 4	

FOURTH YEAR

Agronomy VIII 3	Agronomy VIII 3	Agronomy IX 3
**Economics XIV 3	Economics XIV 3	Agronomy XI..... .3
Electives 9	Electives 9	Electives 9

* Required of Students who have not had Physics 1.

** Seniors expecting to teach Agriculture are required to take Education courses VIII, XII and Agronomy XII.

ANIMAL HUSBANDRY

I. Animal Husbandry. M. W. F. Three Terms.

This course is a study of the most important breeds of live stock; includes production, care, management and judging. Laboratory work consists of judging and the actual care of live stock on the College Farm.

II. Dairy Husbandry. M.—F. Fall Term.

A study of milk production and milk products, milk testing, separating, buttermaking, cheesemaking, and practical cow-testing.

III. Live Stock Judging. M.—F. Spring Term.

A laboratory course designed for students who major in Animal Husbandry. Laboratory work consists entirely of practical judging of different classes of live stock. Prerequisite course I.

IV. Animal Breeding. M. W. F. Winter Term.

This course deals with the underlying principles of animal breeding with particular reference to the choosing of foundation stock, selections, pedigrees of breeding animals, the development of young stock, the general management of the breeding business, and breeders' associations. Prerequisite course I.

V. History of Breeds. M.—F. Fall Term.

This course takes up the origin of the breeds of live stock and the methods of establishing and maintaining pure bred and high grade herds and flocks. Prerequisite course I.

VI. Veterinary Science. M. W. F. Fall Term.

A course which deals with the gross anatomy and physiology of the animal body, particular attention being given to the diagnosis and treatment of common diseases of farm animals. Prerequisites course I and Zoology IV. Not given 1920-21.

VII. Feeds and Feeding. M.—F. Winter Term.

This course takes up the problems of animal nutrition, feeding standards, feeding stuffs, calculating rations, preparation of feeds, manurial value of feeds, and feed ing practice on the farm. Prerequisite course I.

VIII. Poultry Husbandry. T. Th. Three Terms.

This work begins with a study of the breeds of poultry and includes the study of housing, feeding, hatching and rearing of chicks, poultry diseases, fattening and marketing. The course is arranged with reference to seasonal sequence and the laboratory work consists of actual management of flocks, judging, and preparation for market.

AGRONOMY

I. Farm Crops. M. W. F. Fall and Winter Terms.

A laboratory and class room study of the history, botanical characters, adaptations, distribution, and culture of the principal cereals with reference to local conditions. Laboratory work in grain judging and seed testing.

II. Forage Crops. M. W. F. Spring Term.

A study similar to course I, of the legumes, grasses, and other forage crops.

III. Weeds and Weed Control. M. W. F. Fall Term.

This course deals with the habits, collection, identification and control of noxious weeds, and their relation to farm crops.

IV. Soils. T. Th. F. Fall and Winter Terms.

Lyon, Fippin and Buckman's "Soils" is used as a text. The work covers such subjects as the physical properties of soils, organic matter, colloidal matter, soil water, heat control of soil water, etc., Laboratory and recitations.

V. Agricultural Chemistry. M.—F. Last Half of Year.

The first part of this course takes up the principles of quantitative analysis and is followed by the chemistry of feed stuffs, soils, fertilizers, etc. Prerequisite, General Chemistry and Qualitative Analysis.

VI. Soil Survey. M.—F. Spring Term.

A soil survey will be made of a limited area near the College. Lecture, laboratory, and field work. Not given 1920-21.

VII. Soil Management. M.—F. Winter Term.

This course deals with the problems of choosing and equipping a farm, types of farming, maintenance of fertility, capital required, systems of rental, laying out the

farm, systems of cropping, and marketing of farm crops. Not given 1920-21.

IX. Farm Bookkeeping. M. W. F. Spring Term.

A course in practical farm bookkeeping especially designed to meet the needs of those students who expect to do practical farm work.

X. Farm Machinery. M.—F. Winter Term.

This course deals with the principles and practice of operating farm machinery, including tillage, seeding and harvesting implements, manure spreaders, feed mills, wagons, pumping machinery, steam engines and gasoline engines, and the principles of cementing.

XI. Farm Engineering. M. W. F. Fall Term.

This course is a study in the laboratory, field, and class room of farm drainage, irrigation, roads, farm motors, farm structures and farm sanitation.

HORTICULTURE

I. Horticulture Practice. M.—F. Spring Term.

A course in general horticultural practice designed to meet the needs of students who expect to return to the farm as well as an introduction to succeeding courses. Includes practice in seed germination, transplanting, tillage, grafting, pruning, spraying, hotbed construction and management, and planning the home garden.

II. Vegetable Gardening. M.—F. Spring Term.

A study of common vegetable crops and the management of the home garden, garden planning, garden rotation, succession and companion cropping, hotbed and cold frame construction and management. Laboratory work will consist largely of actual gardening.

III. Small Fruits. T. Th. Fall Term.

The strawberry, raspberry, blackberry, gooseberry, currants and grapes will be studied with reference to

their history, methods of planting, pruning, soil fertilization, cultivation, insect control, and harvesting.

IV. Orchard Fruits. T. Th. Winter and Spring Terms.

This course will be a study of home and commercial orcharding, laying out, planting, pruning, and care of the young orchard, renovation of old orchards, harvesting, grading, packing and sorting of fruit. Prerequisite course I.

V. Systematic Pomology. M.—F. Winter Term.

This course includes botanical classification of the common fruits and the identification and judging of orchard fruits. Prerequisite course I.

VI. Landscape Gardening. M.—F. Fall Term.

This course deals with the principles of landscape gardening with particular reference to the laying out and planting of the home grounds and school grounds. Work begins with a study of ornamental shrubs, vines and trees adapted to landscape work. Not given 1920-21.

VII. Agricultural Botany. M.—F. Fall Term.

A study of the structure and physiology of agricultural plants, methods and propagation, classification.

VIII. Plant Pathology. M.—F. Fall Term.

This course deals with the nature, causes and control of garden and orchard crops and includes collection of specimens, laboratory and field studies. Not given 1920-21.

IX. Economic Entomology. M.—F. Spring Term.

This course treats of economically important insects with special reference to life history, habits, injury to plants, and methods of control. Laboratory work includes identification, classification, and field studies. Prerequisite Zoology III.

X. Plant Breeding. M.—F. Winter Term.

This course is a study of the principles of variation, mutation, heredity, and plant breeding with reference to their application to the improvement of agricultural plants.

BIBLE SCHOOL

*HENRY FRANK REIST, President.

IRVIN R. DETWEILER, Dean ..... New Testament

WILLIAM B. WEAVER,
Religious Education, Practical and Historical Theology

JACOB C. MEYER ..... History

AMOS S. EBERSOLE ..... Vocal Music

The Bible School is organized and maintained to meet the needs of two classes of students. It aims to give all students an opportunity to obtain a comprehensive knowledge of the great themes of the Bible while they are at the same time taking their training in college. It also aims to give special opportunity for thorough Bible study to those who are planning to take up direct religious work. The school gives the student a broad and practical knowledge of the history, literature and thought of the Bible by the best methods of interpretation and independent study. The courses vary in scope and method so that the need of practically every one may be served.

The curriculum is so arranged and the courses so planned that the best inductive methods may be used. The student is taught theology after the way has been carefully prepared by the inductive, practical and scriptural methods. Instead of approaching the themes in theology from a dogmatic or philosophic point of view the student is led into the truth.

REGULAR COURSE

This course covers two years and is open to those who have completed a four year Academy or High School course. In addition to the careful inductive and exegetical work in the English Bible, both Old and New Testament,

*Absent on leave.

several courses in the Greek New Testament and an introductory course in Old Testament Hebrew are given. These with the work in Theology, Practice, Church History, Missions, and Vocal Music make a unified and well balanced system of courses, especially helpful to Missionaries and Church and Sunday School workers.

CURRICULUM

FIRST YEAR

FIRST TERM	SECOND TERM	THIRD TERM
Old Testament I	Old Testament II	Old Testament III
New Testament I	New Testament II	New Testament III
Bib. Theology I	Bib. Theology II	Bib. Theology III
Greek III	Greek III	Greek III
Principles of Rel. Ed.	The Church School	Psychology of Religion

SECOND YEAR

Old Testament IV	Old Testament IV	Old Testament V
New Testament IV	New Testament V	New Testament VI
Bib. Theology IV	Bib. Theology V	Bib. Theology VI
Greek IV	Greek IV	Greek IV
Electives from either	New Testament or Church History	

PROGRAM OF COURSES

OLD TESTAMENT LITERATURE AND INTERPRETATION.

Special attention is given to the chronological order of the scripture material and the historical settings of the prophecies, their genetic relation to the political, social and religious environment, the element of moral and spiritual truth which they convey and any Messianic predictions they may contain. After the historical background of the period is laid the prophetic messages are studied in detail upon the basis of the scripture material. These courses furnish an introduction to the various departments of Old Testament study.

I. History. M. W. F. Fall Term.

The history of Israel is traced from the conquest

to the fall of the Northern Kingdom, by an analytical and comparative study of the portions of Joshua, Judges, Samuel, Kings and Chronicles that deal with this period. Not given 1920-21.

II. Prophecy. M. W. F. Winter Term.

Prophecy to the fall of the Northern Kingdom. A study of the rise, content, classification, definition and principles of prophecy and a detailed study of Amos and Hosea. Not given 1920-21.

III. The Southern Kingdom. M. W. F. Spring Term.

The history of the Southern Kingdom from Uzziah to the fall of Jerusalem with special study of Isaiah and Micah. Not given 1920-21.

IV. Babylonian Period. M. W. F. Fall and Winter Terms.

The literature of the Babylonian period of Judah's History, Babylonian Exile, the Greek age to the Maccabean revolt. The same aim and method in the study of Old Testament History and Prophecy will be continued as in Course I.

V. Poetry and Wisdom. M. W. F. Spring Term.

A general survey of the Hebrew Poetry and Wisdom Literature with a more careful study of the characteristic selections. The aim is to familiarize the student with this phase of Old Testament literature.

NEW TESTAMENT LITERATURE AND INTERPRETATION

This course aims to make the student familiar with the origin and development of our New Testament writings. In the study of the several books each book is considered with respect to its historical settings, literary character, author, first readers, occasion, aims, and social, ethical and doctrinal teaching. The discussion and lectures in class are supplemented with assigned readings and written reports.

I. Gospel of Luke. T. Th. Fall Term.

In addition to the work of introduction special attention is given to the sections peculiar to this Gospel, and a discussion of the synoptic problem. Not given 1920-21.

II. The Book of Acts. T. Th. Winter Term.

The beginning of Christianity, growth in Palestine and the work of Paul. Not given 1920-21.

III. Pauline Epistles. T. Th. Spring Term.

The general principles of introduction are used in a study of Pauline Epistles with a careful study of Galatians and Phillipians. Not given 1920-21.

IV. Gospel of John. T. Th. Fall Term.

A thorough inductive study of the Gospel. Development of thought is traced and the leading terms of the Gospel are studied in preparation for a study of Johnannine Christology in the following course.

V. The Epistles of John. T. Th. Winter Term.

The epistles are used to supplement the teachings in the Gospel in the development of the Christology of the Johnannine literature.

VI. The Catholic Epistles. T. Th. Spring Term.

The Epistles of James, Peter and Jude. The same inductive and analytical method will be used as in the preceding courses.

LANGUAGE

I. Greek. M. W. F. Three Terms.

The first two terms are devoted to a mastery of the elements of the New Testament Greek and a vocabulary sufficient to begin the reading of the Gospel of John. The third term is devoted to reading the Gospel of John and a review of the grammar studied in the preceding terms. Prerequisites, two years' training in language study.

II. Greek. M. W. F. Three Terms.

A careful translation of Mark, Matthew and Luke,

word study and the application of moods and tenses of the Greek language. The grammatical study with special emphasis on syntax will continue through the year.

III. Greek. T. Th. Three Terms.

A translation of the Acts of the Apostles, miscellaneous epistles and selections from Septuagint. Special attention will be given to the mastery of the grammatical and lexical peculiarities of the Hellenistic Greek and the relation that the Septuagint sustains to the Hebrew of the Old Testament and the Greek of the New Testament.

EXEGESIS

IV. Greek. T. Th. Three Terms.

The Epistles to the Romans and the Hebrews are studied. Special attention will be given to the problems and teachings of the primitive church and the doctrines that grew out of them. The methods will be presentation by the class of the results of exegetical study using only the Greek text, lexicons and grammars, with work on introduction. Careful work will be done in translation, brief commentary and close paraphrase.

BIBLICAL THEOLOGY

I. New Testament Times. M. W. F. Fall Term.

The course aims to study the political, social, economic, and religious conditions of the Jewish people during the New Testament times and their relation to the beginnings of Christianity. It deals with the materials necessary for an adequate understanding of the life of Jesus. Not given 1920-21.

II. The Life of Jesus. M. W. F. Winter Term.

A careful historical study of Jesus' purpose, method, characteristics of His message, work and personality. Special attention will be given to His parables, miracles and meaning of His life to history. The course is an introduction to the teachings of Jesus. Not given 1920-21.

III. The Teachings of Jesus. M. W. F. Spring Term.

This course aims to interpret the teachings of Jesus in the light of the Judaism and the historical background of Jesus' day. There will be a careful classification and analysis of the content of His sayings and a study of the meaning of His teachings for the present. Not given 1920-21.

IV. The Life of Paul. M. W. F. Fall Term.

The historical conditions of Paul's life, his relation to Judaism and the Greek world; his conversion and important events of his life; Paul as a missionary, as a New Testament writer and as a man of God.

V. The Teachings of Paul. M. W. F. Winter Term.

This course is based on the historical and careful exegetical study of the New Testament. It aims to give a thorough acquaintance with the materials, the fundamental principles in the teachings of Paul. His teaching on Law, Sin, Grace, Flesh and like subjects will be studied.

VI. The Teachings of Jesus from the Literature of John. M. W. F. Spring Term.

A study of the sayings of Jesus as recorded by John. There will be a classification and analysis of these sayings.

RELIGIOUS EDUCATION

I. History of Religious Education. M. W. F. Fall Term.

This course is to give the student a brief survey of the history of Religious Education from the Hebrews through the ancient, medieval and modern period including the present organizations in Religious Education. For Freshmen and Sophomores.

II. Principles of Religious Education. M. W. F. Winter Term.

This is a study of the principles of Religious Edu-

cation that should guide every effort in the teaching activity of the church. Comparisons will be made between secular and religious education as to principles, methods and institutions. For Freshmen and Sophomores.

III. The Church School. M. W. F. Spring Term.

In this course a study will be made of the modern church school as to organization, administration, methods of teaching and need of knowledge of the Word. Special study will be made of the pupil and the teacher and his problems. For Freshmen and Sophomores.

PRACTICAL THEOLOGY

I. Missions. T. Th. Three Terms.

In this course a study will be made of the purpose and object of missions and the principles involved. A brief historical survey will be given from the time of Paul to the modern missionary movement. Mission work in various fields will then be studied. For Freshmen and Sophomores.

II. Homiletics. T. Th. Three Terms.

This course is to aid those interested in the ministry in the construction and delivery of addresses and sermons. Special emphasis will be placed on the importance of the sermon in church services and the vital elements in preaching. For Juniors and Seniors.

III. Church History. M. W. F. Three Terms.

This course covers the three periods of ancient, medieval, and modern church history. Special attention will be given to the Reformation and the great historical movements that affected the Christian church. For Juniors and Seniors.

IV. Sociology. T. Th. Three Terms.

The purpose of this course is to give the principles of sociology and then an application of these principles to

present day society. Special emphasis will be given to modern sociological problems. For Juniors and Seniors.

HISTORICAL THEOLOGY

I. History of Religion. M. W. F. Fall Term.

A study will be made of the leading religions of the world and comparison of these with Christianity. For Juniors and Seniors.

II. History of Doctrine. M. W. F. Winter Term.

This course deals with an historical development of the fundamental doctrines of the Christian Church. For Juniors and Seniors.

III. Psychology of Religion. M. W. F. Spring Term.

A study of religious experience with the purpose of understanding the factors which are important in the growth of Christian character. Special attention will be given to the adolescent period. Prerequisite General Psychology. Open to Juniors and Seniors.

ENGLISH COURSE

There are those who are or might be effective workers in the Lord's cause who have a very limited education, and who have no knowledge of Greek, and are otherwise not prepared to take the regular course, but desire a better knowledge of the English Bible.

The English course has been outlined for their special benefit. The Bible subjects in this course are studied from the sacred book itself and not from books about the Bible.

TWO YEARS COURSE.

FIRST YEAR

FIRST TERM	SECOND TERM	THIRD TERM
Biblical Intro. O. T.	Biblical Intro. O. T.	Biblical Intro. O. T.
Life of Jesus	Life of Jesus	S. S. Methods
English I	English I	English I
History 1	History I	History I
Music	Music	Music

SECOND YEAR

Biblical Intro. N. T.	Biblical Intro. N. T.	Biblical Intro. N. T.
Life of Paul	Leaders in the Christian Church	Leaders in Christian Missions
Eng. II	Eng. II	Eng. II
Personal Work	Homiletics	Homiletics.
Music	Music	Music

Biblical Intro. Old Testament T.—F. Three Terms.

The purpose of this course is to give the student a thorough working knowledge of the Old Testament in English. The student will read the entire Old Testament and locate each book in its chronological order; outline certain books; and write on select subjects. Attention will be given to the literature of the Old Testament history of the Hebrews and reading of the entire prophetic literature. Not given 1920-21.

Biblical Intro. New Testament. T.—F. Three Terms.

This course aims to give the student a serviceable knowledge of the books of the New Testament. The text book is the Bible. The whole New Testament will be read through. Not given 1920-21.

Life of Jesus. T.—F. Fall and Winter Terms.

An inductive study of the Life of Jesus on the basis of the Gospels.

Sunday School Methods. T.—F. Spring Term.

This course is designed to aid the teacher or prospective teacher to meet the needs and demands of the present Sunday School teaching. A study will be made of

childhood, adolescence, methods, attention, interest, general organization of the Sunday School and like questions that continually confront the Sunday School teacher.

Life of Paul. T.—F. Fall Term.

A chronology of his life, his conversion, his missionary journeys, his attitude toward the church at Jerusalem, as a missionary and the character of his letters.

Leaders in the Christian Church. T.—F. Winter Term.

A study of the church fathers and the leaders of the Christian Church to the beginning of the modern missionary movements.

Leaders in Christian Missions. T.—F. Spring Term.

A study of the great missionaries from the beginning of the modern missionary movement to the present time.

Personal Work.

An inductive study based on the scripture with application to modern men and methods. General principles, motives, message, method and aim.

SHORT BIBLE TERM

The short course in Bible study has been a feature of the institution for a number of years and has become a great help to many young people, Sunday School workers and the ministry.

The work in this course is done as thoroughly as can be expected in six weeks. The same attention is given in this work as in any department of the institution. Lessons will be assigned each day which will be taken up the next day in class recitation and general discussion. The student is taught how to study his Bible independently.

During the short course the student rooms and boards

at the school which gives him all the time between classes for study and preparation of definite assigned lessons. He has the opportunity to meet and become acquainted with the large number of young men and women who are attending college.

The library gives large opportunities for reading and lecting books for future use. It contains a large number of religious books such as Bible and Church Histories, Bible Dictionaries and Geographies, Commentaries, Maps and Charts to all of which the student has free access.

NOTE.—Courses are so arranged that those who desire to remain longer than six weeks may, by special permission enter the regular courses. Write for special bulletin.

ENGLISH AND HISTORY

For description of these courses see pages 31 and 34.

MUSIC

For description of these courses see page 72.

SCHOOL OF MUSIC

*HENRY FRANK REIST, President.

IRVIN R. DETWEILER, Acting President.

AMOS S. EBERSOLE, Director,
Voice, Sight Singing, Choral

OTTO HOLTKAMP ..... Piano, Theory

ELVINA S. EBERSOLE ..... Voice, Choral

EUNICE GUTH ..... Piano, Theory

GERARD DINKELOO ..... Public School Music

INA K. SLATE ..... Public School Art

FOREWORD

Music is no longer considered by leading educators a mere luxury to be enjoyed by a select few but as an essential part of our present day education, hence for the good of all. No education therefore can be pronounced complete which does not include at least a fair knowledge and appreciation of music.

The reading and writing of music requiring as it does, concentration and rapidity of thought and action makes its value as a mental discipline unsurpassed.

For the professional musician there are now abundant opportunities in our churches, public schools and colleges and as private teachers, as vocal and instrumental soloists, evangelistic singers and as accompanists.

PURPOSE

It is the purpose of the School of Music:

*Absent on leave.

First: To furnish such part of the college students cultural equipment as will tend to the enrichment of his life through a fuller appreciation of the true and beautiful in music.

Second: To offer thorough and comprehensive training in regular outlined courses for those who wish to specialize in music as a profession.

Third: To urge the private study of singing and piano playing on the part of persons not otherwise connected with the college.

COLLEGE CREDIT FOR MUSIC

College credit to the extent of twenty-seven term hours is given for work in harmony, history and appreciation of music, sight singing and dictation II and other courses in the theory of music. Academy or high school credit to the extent of twelve term-hours is given for work in sight singing, ear-training and dictation I, public school music methods and public school art. The amount of work that normal students may take in music depends on the courses for which they register and the kind of teaching for which they are preparing.

PRIVATE LESSONS

Any one may take private lessons in piano, or voice culture without registering for any other courses in the college. The strictest individual attention which the music student looks for in the private studio is enjoyed here, while many additional advantages may be had without extra cost in tuition. One or more of the theoretical subjects may also be taken privately or in class. Persons residing in the immediate college community are especially urged to take advantage of these opportunities. Students may begin their study at any time.

REGULAR COURSES OF STUDY

The following constitute the regular courses in Music and in Art offered by the school.

1. Teacher's Certificate Course, (three years.)
2. Diploma Course in Singing (four years.)
3. Diploma Course in Piano (four years.)
4. Chorister's Course (one year.)
5. Supervisor's Course in Public School Music (two years.)
6. Supervisor's Course in Public School Art (two years.)

TEACHERS' CERTIFICATE COURSE

This course is intended to qualify the student for a musical career as a private teacher or for teaching in normals, schools, etc. Outline of required studies is here given with the time required for the average student:

FIRST YEAR:

Piano and Voice, at least two half periods each per week.
Sight Singing I.
Ear Training and Dictation I.
Harmony I.
College or Academy Subject.
Attendance at recitals and concerts.

SECOND YEAR:

Piano and Voice.
Sight Singing and Dictation II.
Harmony II and III.
History and Appreciation of Music.
Choral.
Church Music.
College or Academy Subject.

Part in Recitals and Concerts.

THIRD YEAR:

(a) For students majoring in piano.

Piano. One full period and one half period lesson per week.

Harmonic and Formal Analysis.

Counterpoint.

Normal Piano Methods.

Sight Playing.

Accompaniments.

Ensemble.

Public Recital.

(b) For students majoring in Singing.

Voice. One full period and one half period lesson per week.

Harmony and Formal Analysis.

Counterpoint.

Vocal Methods.

Theory and Practice of Choral Conducting.

Public Recital.

Foreign Language.

Choral.

DIPLOMA COURSE

The Diploma Courses in piano playing and in singing are intended for those who wish to do more highly specialized work in these subjects than is possible in the shorter courses. A diploma of graduation will be awarded those who satisfactorily complete either course as outlined below. Time required is from one to two years in addition to Course I.

REQUIREMENTS

1. For Piano:

   Completion of Course I.
   Continuation of Piano.
   Counterpoint and Composition.
   Accompaniments or Ensemble.
   College Subject, optional.
   Public Recital.

2. For Singing:

   Completion of Course I.
   Voice Culture.
   Repertoire Building.
   Counterpoint and Composition.
   Foreign Language.
   Public Recital.

MUSIC SUPERVISORS' COURSE

This is a two years' course leading to the state certificate for teachers and supervisors of music in the public schools. It is based upon the recommendations of the special committee appointed by the state to outline a suitable course for this purpose, and for which the state has found Goshen College qualified to offer. It consists, therefore of thorough and systematic courses in such subjects as are directly essential to successful teaching and supervising. It includes, besides harmony, history of music, educational subjects, voice culture and piano, a study of suitable material for all the grades and the high school and the best methods of presenting the same.

The city schools offer exceptional opportunity for supervised teaching and extensive observation.

FIRST YEAR

FIRST TERM

Hrs.

I. Prescribed Work

1. In Music

Sight Singing I 2
Ear Training, Dictation.... 2
Harmony I 2
Voice—2 private 25-minute lessons per week and 1 hour daily practice
Piano—2 private 25-minute lessons per week, with 2 hours daily practice

2. In Education
Introduction to Education.. 3

II. Elective Work

Public School Art 2
(Two double periods)
Chorus 1
Glee Club 1

SECOND TERM

Hrs.

I. Prescribed Work

1. In Music

Sight Singing I 2
Ear Training, Dictation 2
Harmony I 2
Voice—2 private 25-minute lessons per week and 1 hour daily practice.
Piano—2 private 25-minute lessons per week, with 2 hours daily practice

2. In Education
Educational Psychology 3
English Composition 2

II. Elective Work

Public School Art 2
Chorus 1
Glee Club 1

THIRD TERM

Hrs.

I. Prescribed Work

1. In Music

Sight Singing, Ear Training, Dictation 2
History and Appreciation of Music 2
Public School Methods including Observation and Supervised Teaching 5

2. In Education
Psychology of Thinking 3

II. Elective Work

Voice Culture and the Art of Singing 2
Piano Playing 2
Piano Accompaniments 1
Harmony II 2
Chorus 1
Glee Club 1
High School Art 2
(Two double periods)
English 3

SECOND YEAR

FIRST TERM

I. Prescribed Work	Hrs.
1. In Music	
Sight Singing, Ear Training, Dictation II	2
History and Appreciation of Music	2
Public School Music Methods including Observation and Supervised Teaching	5
2. In Education	
Public School Administration	3
II. Elective Work	
Voice Culture and the Art of Singing	2
Piano Playing	2
Piano Accompaniments	1
Harmony II	2
Chorus	1
Glee Club	1
High School Art (Two double periods)	2
English	3

SECOND TERM

I. Prescribed Work	Hrs.
1. In Music	
Sight Singing, Ear Training, Dictation II	2
History and Appreciation of Music	2
Public School Music Methods including Observtaion and Supervised Teaching	5
2. In Education	
Class Room Management	3
II. Elective Work	
Voice Culture and the Art of Singing	2
Piano Playing	2
Piano Accompaniments	1
Harmony II	2
Chorus	1
Glee Club	1
High School Art (Two double periods)	2
English	3

THIRD TERM

I. Prescribed Work	Hrs.
1. In Music	
Sight Singing, Ear Training, Dictation II	2
History and Appreciation of Music	2
Public School Methods, including Observation and Supervised Teaching	5
2. In Education	
Psychology of Thinking	3
II. Elective Work	
Voice Culture and the Art of Singing	2
Piano Playing	2
Piano Accompaniments	1
Harmony II	2
Chorus	1
Glee Club	1
High School Art (Two double periods)	2
English	3

NOTE: Any one or more of the subjects listed as elective may be required at the discretion of the School of Music Director.

PUBLIC SCHOOL ART

This is a two years' course designed primarily to qualify the student to teach or supervise art in the public schools. The course is open, however, to anyone, regardless of his future intentions. Most of the work is done in classes meeting for a double period lesson twice a week. If desired it can quite easily be taken in connection with public school music, domestic science, or any other subject which the student may be preparing himself to teach.

See also page 82.

CHORISTERS' COURSE

This course is designed for choristers, evangelistic singers, etc., who can spend only a short time in school. Talented students can complete the course in one year.

Studies involved are: Voice, sight singing, ear training and dictation, harmony, church music, one Bible and one academy or college subject.

DESCRIPTION OF THEORETICAL COURSES

I. Harmony. T. F. Three Terms.

A study of scales, intervals, principal triads, cadences, connection of triads, harmonization of given melody, subordinate triads, inversions, chords of seventh and ninth in major and minor, all classes of discords, modulation.

II. Harmony. T. F. Fall and Winter Terms.

Modulation continued, altered chords, mixed chords (all forms of modulation), enharmonic exchange, suspension, appoggiatura and anticipation, passing tones and embellishment, organ point, florid melodies, accompaniments, chorales.

III. Harmonic Analysis. T. F. Spring Term.

A study of cadences, modulations, non-harmonic tones,

etc., with special reference to harmonic construction, analyzing of works by Schumann, Chopin, Czerny and others. Prerequisite Harmony I and II.

IV. Simple Counterpoint.
M. Th. Fall and Winter Term.

Counterpoint in one, two, three and four part writing. Prerequisite Harmony I, II and III.

V. Analysis of Music Form. M. Th. Spring Term.

A study of fundamental details from the motive and primary form through the development of the composite forms with analysis of important types both classic and modern. Prerequisite Harmony I, II and IV.

A continuation of Course IV; double counterpoint, canon and fugue.

VII. History and Appreciation of Music.
T. F. Three Terms.

A study of the evolution and art of music beginning with the uncivilized and ancient peoples, continuing up through the medieval period, church and secular music, the classical, romantic, and modern schools. The course is copiously illustrated and supplemented by a practical use of the phonograph.

I. Sight Singing. M. Th. Three Terms.

A very practical course for all students. A thorough drill in note reading and theoretical material essential to good sight singing. Study of motives and figures and their application to melodies. Text used "Progressive Music Series," Books I, II and III.

I. Ear Training and Dictation. M. Th. Three Terms.

Oral and written melodic and rhythmic dictation within the key, in one and two parts, recognition of principal triads. This course should be taken with Sight Singing I.

II. Sight Singing, Ear Training, Dictation.
M. Th. Three Terms.

A review of principles of Sight Singing I and a continuation thereof with more difficult songs and exercises. Melodic dictation in two, three and four parts. Identification of the various triads and sept-chords. Chromatic passing tones, translations and modulations. Text, "Progressive Music Series," Book IV, Supplemented.

Sight Playing and Accompanying. M. Th. Three Terms.

It is the aim of this course to develop in the student the ability to think clearly and act quickly, thus enabling him to play difficult music at first sight. The art of accompanying will also be taken up, and will be made directly practical to the student by requiring at least one hour per week during three terms in the voice studio.

Normal Piano Methods. W. Three Terms.

A course in elements and application of modern methods in teaching with special reference to children and intermediate grades. Particular phases will be emphasized by demonstration in actual teaching. Each student will be required to teach selected pupils under observation of the class and direction of the instructor.

Normal Vocal Methods. W. Spring Term.

Lectures and round-table discussion on various phases of voice culture and song interpretation; supervised teaching.

Church Music. W. First Half of Winter Term.

Informal lectures on the history, general character and present day usage of church music, with special reference to the hymn and congregational singing. Considerable attention will also be given to leadership in singing, song selections and various other practical phases of worship-music will be taken up.

Public School Music Methods. T.—F. Three Terms.

Problems and methods in the primary grades; the intermediate grades; the grammar grades, rote songs and how to teach them, the child voice, monotones, from the song to notation, sight reading, tone thinking, rhythm, beating time, song interpretation, individual singing, part singing, how to conduct the music period, supervision, relation of supervisor to superintendent and teachers, material for all occasions, high school course, glee club, chorus and orchestra, supervised teaching and observation in city schools. The student must be able to sing the music to be used at sight.

I. Public School Art. Double Period.
T. W. Three Terms.

This course may be taken by students not having had previous work in drawing. It will present the theory, methods and psychology of teaching drawing in the public school grades. It will consist also of realistic and decorative drawing, picture study, design and construction.

II. Public School Art. Double Period.
T. W. Three Terms.

A course in high school drawing including the study of principles of design and color, with practice in the making of posters, advertisements and other forms of Commercial Art and the designing for interior decoration.

PRACTICAL COURSES

It is impossible to give a definite outline of the courses of study in singing and in playing for the reason that they vary more or less for each student according to his individual requirements.

The following outline of studies for the piano and the voice indicate the standard of technical difficulty in the various grades. The time required is usually three or four years for the average student having some knowledge of

the elements of music to begin with but much depends upon the ability of the individual to make progress.

PIANO

"Quite aside from the value of the music and its spiritual enlightenment, (the student) gains so much in the general perception, in actual development of hands and eyes, in quick muscular response to an intellectual purpose, that the mastery of the piano is worth while in and for itself . . . It is manual training of the first order in addition to being an art which opens up such a large avenue of self-expression, and supplies one more vital interest for the inrichment of daily life."—Henderson.

I. FOR THE TEACHERS' CERTIFICATE COURSE.

Elementary:

Technical exercises, scales, studies, sonatinas and suitable pieces by various composers.

Intermediate:

Technical exercises, scales, arpeggios, double thirds, octaves, studies by Czerny, Cramer and Clementi, sonatas and pieces by Haydn, Mozart, Bach, Schumann and others.

Advanced:

Studies by Clementi, Czerny and Chopin, pieces by Bach, Beethoven, Chopin, Schumann and modern composers.

II. FOR THE DIPLOMA COURSE.

Advanced studies by Chopin, Liszt, pieces by Bach, Beethoven, Brahms, Modern Composers, including concerto from the following: Beethoven, Chopin, Saint Saens, Tschaikowsky, MacDowell.

PIANO LESSONS FOR CHILDREN

These lessons will be given by one of the regular instructors in piano. They are twenty minutes in length and may be taken after school or on Saturdays. A special rate of tuition is given. See Expenses, page 114.

VIOLIN

The School of Music does not offer courses in violin, but arrangements can be made with private teachers for those who wish to study this instrument.

SINGING

Cultivation of the voice in singing as well as in elocution is now being regarded as an important branch of education by the leading men of our colleges and universities. To sing well requires a thorough knowledge of the voice and how to use it. Hence the formation of a good technical foundation is of first importance. It is the further aim to develop interpretative ability and to cultivate in the student an artistic taste and an appreciation of the best works of art. The regular work is based on the private lesson, but classes will also be conducted for the purpose of giving a practical knowledge of the vocal art to a larger number of students, and at a nominal cost to each.

I. FOR THE TEACHERS' CERTIFICATE COURSE.

Grade I:

Principles of breathing as applied to tone production. Voice placing, vocalization, enunciation, elementary vocalises and suitable songs.

Grade II:

Principles of grade one continued according to the requirements of the individual pupil. More difficult technical exercises and songs, ensemble.

Grade III:

Advanced vocalization, interpretation, ensemble, repertory, songs from classic and modern composers.

II. FOR THE DIPLOMA COURSE.

Masterpieces of vocalization, interpretation, repertory. For graduation the student must have a repertoire as follows: Five songs each, Schubert, Schumann, Brahms, Franz, and Rubenstein or equivalent. Ten songs by modern foreign composers; twenty-five songs by American composers. Must know the solos for his voice in three oratorios to be selected by the teacher.

THE PHILHARMONIC CHORUS

This organization has an active membership of about eighty men and women and meets once a week throughout the school year for rehearsal. Standard choral works of a varied nature are studied and rendered in public concert each year. A series of artist recitals is also managed by this organization. Regular music students with the proper qualifications are required to sing in this chorus.

THE A CAPELLA CHORUS

It is the purpose of this organization to study some of the numerous sacred compositions of a very fine order written by various composers to be sung without instrumental accompaniment and to render these numbers at the Vesper services and other special religious occasions at the College during the year.

THE COLLEGE GLEE CLUB

This organization is composed of a body of sixteen men selected from all departments of the College and is under the personal direction of the director of the School

of Music. Regular weekly rehearsals are held throughout the year. A number of concerts are given in surrounding cities and towns during the winter and spring terms. All men with sufficient singing ability are eligible for application for membership.

THE LADIES' GLEE CLUB

An organization similar to that of the Men's Glee Club has been brought forward for the benefit of the musically talented young ladies of the college. All girls with sufficient singing ability are eligible for membership after passing an entrance "try out" conducted by the membership committee.

SPECIAL TUITION

The following reduced prices are given to those taking a complete course in music as outlined.

Choral, all listed Theoretical subjects (private studies, public school music methods and art not included, one Academy, College or Normal subject:

First year, per term, $15.00. Second and third years, $17.00. For private tuition and piano rent see Expenses, page 114.

GENERAL INFORMATION

All students of the School of Music are subject to the general college regulations.

Students, or those contemplating study, are invited to consult freely with the Director relative to their work or plans for work. Special arrangements will be made for the convenience of those who wish to come to the School of Music for private lessons only.

Frequent lectures and recitals by members of the fac-

ulty and prominent lecturers and musicians from outside of the school and also student recitals are given during the year.

All regular Music School Students must take at least two half-period private lessons per week.

Lessons missed by temporary absence and those falling regularly on legal holidays and on the last two days of a term may be made up at the convenience of the instructor, or cancelled. Regular students may select one college or academy study each term without extra tuition.

Those who wish to finish the Teachers' Certificate Course must be students of the School of Music for at least three terms. For the Diploma Course four terms.

The school is equipped with six good upright pianos and one Stieff Artist Grand. These are supplemented by as many as are needed for teaching and practice purposes from the city music stores. All the pianos are placed in commodious studios and practice rooms in Kulp Hall, and the Administration Building. Recital halls and a large concert hall are at the disposal of this department of the College.

Courses in Voice, Piano, Harmony and Public School Music will be offered during the summer.

For special information regarding the School of Music write to or call on the Director, Amos S. Ebersole, Goshen College School of Music, Goshen, Indiana.

SCHOOL OF BUSINESS

HENRY FRANK REIST, President.

JOHN E. WEAVER, Principal...Bookkeeping, Arithmetic

IRVIN BAUMAN ..... Bookkeeping

NELLIE MILLER ..... Shorthand, Typewriting

HERMAN KREIDER ..... Penmanship

JACOB C. MEYER ..... Economics, Civics

ALMA WARYE ..... English

The time required for the completion of a business course depends upon the ability and previous training of the student. The schedule below cannot be strictly adhered to since a high school graduate might complete the course in much less time than an eighth grade student.

Diplomas will be granted to those who satisfactorily complete the work outlined in the two year course.

Those completing the one year course either in Bookkeeping, Shorthand, or a combination course, will be granted certificates for the work actually done.

DIPLOMA COURSE

FIRST YEAR.

FIRST TERM	SECOND TERM	THIRD TERM
Bookkeeping I.....	Bookkeeping II	Bookkeeping III.....
Business English.....	Correspondence.....	Spelling .....
Economics.....	Economics	Economics.....
Com. Arithmetic	Commercial Arithmetic	Com. Law.....

SECOND YEAR

FIRST TERM.	SECOND TERM.	THIRD TERM.
Bookkeeping III	Bookkeeping IV.....	Bookkeeping IV.....
Shorthand I.....	Shorthand II	Shorthand III.....
Typewriting.....	Typewriting.....	Typewriting .....
English.....	English.....	English.....

CERTIFICATE COURSES

ONE YEAR BOOKKEEPING COURSE.

FIRST TERM	SECOND TERM	THIRD TERM
Bookkeeping I	Bookkeeping II	Bookkeeping III
Typewriting	Typewriting	Typewriting
Business English	Correspondence	Spelling & Penmanship
Com. Arithmetic	Commercial Arithmetic	Com. Law

ONE YEAR SHORTHAND COURSE.

FIRST TERM	SECOND TERM	THIRD TERM
Shorthand I	Shorthand II	Shorthand III
Typewriting	Typewriting	Typewriting
Penmanship	Dictation I	Dictation II
Business English	Correspondence	Spelling
Com. Arithmetic	Commercial Arithmetic	Com. Law

PROGRAM OF COURSES

Bookkeeping I. M.—F. Fall Term.

A budget is used which trains the pupils in the art of recording the simple transactions used in a single proprietorship business. The papers used in the business practice are those in common use in any small grocery business. The prices are simple and the calculations easy so that the pupil may become familiar with the nature and purpose of the transaction rather than the dollars and cents involved.

Bookkeeping II. M.—F. Winter Term.

The second set of Bookkeeping and Accountancy takes up a partnership wholesale business. Special rulings and columns are illustrated. The accounts and principles are similar to those used in any wholesale grocery business. Special supplementary exercises are given throughout the course.

Those interested in Agriculture may take a set of farm bookkeeping instead of the wholesale grocery set.

Bookkeeping III. M.—F. Spring Term.

The third budget represents a commission business

conducted by a corporation. Enough supplementary exercises are given to show the pupil the method of opening and closing the books of a corporation. Two of the special features of this set are: The Account Sales Register and the Cash Journal both originated by the author of the system and now extensively used in actual business.

Bookkeeping IV. M.—F. Three Terms.

While three budgets give the student a practical knowledge of the essentials involved in ordinary bookkeeping, we offer advanced work in Banking, Manufacturing, Real Estate and Agriculture.

Business Penmanship. M.—F. Three Terms.

The Palmer System is taught which gives the student a plain, legible style well suited to business needs. (Required of all business students.)

Commercial Arithmetic. T.—F. Fall and Winter Terms.

A thorough and comprehensive knowledge of the science and application of the principles of Commercial Arithmetic is essential to rapid promotion in office work. The subject is made practical and interesting by emphasizing only those phases which the business man in any profession needs.

Commercial Law. T.—F. Spring Term.

This course gives the student sufficient knowledge of laws relating to commerce that he may conduct his own business with confidence. The work is made interesting by practical applications and supplementary assignments.

Commercial Geography. T.—F. Spring Term.

In this course are studied the various factors that control and influence commerce. Attention is given to the mining and production of raw materials, to the process of manufacture, to the establishment of large cities and to the tracing of the main trade routes of the world.

Shorthand I. T.—F. Fall Term.

In this course the elementary and fundamental principles of the Gregg System are thoroughly mastered. The first twelve lessons of the Gregg Manual are covered. The "Gregg Writer" is used for supplementary work. Much drill and repetition are necessary to the acquisition of a shorthand vocabulary.

(Will be given each term if there is sufficient demand.)

Shorthand II. T.—F. Winter Term.

The work in the Manual is reviewed and completed during the first few weeks but the text of this term is Gregg Speed Practice, a collection of classified business letters with vocabulary. These letters are practiced over and over by the student until they can be written with accuracy and speed. Phrase writing is an important feature of this course.

Shorthand III. T.—F. Spring Term.

This course continues the work of Shorthand II. More attention will be given to speed and the technical terms used in the various professions.

Dictation I. W. M. F. Winter Term.

This course accompanies Shorthand II. The Dictation book is in the hands of the instructor only and consists of business letters graded to conform to the advancement of the class. These letters are written, transcribed and handed in. The emphasis in this course is placed upon the student's ability in reading his own notes. Supplementary work in the reading of well written magazine articles is a helpful feature.

Dictation II. T. Th. Spring Term.

Accompanies Shorthand III and continues the work in Dictation I. The Dictation matter is taken from such lines of work as the student prefers as railroad, insurance, civil service or court reporting.

Business English. M.—F. Winter Term.

This is a course in practical applied English. It gives essentials that lead to ready and correct expression of thought. Much attention is paid to the discrimination in the choice of words. The student is given exercises which require original work.

Spelling. T. Th. Three Terms.

A man may have a good general education and be a poor speller but the stenographer or bookkeeper who cannot spell need not expect to hold a good position. This course emphasizes not only the spelling of words but their pronunciation and meaning. (Required of stenographers.)

TYPEWRITING

We teach touch typewriting in a thorough systematic manner. The keyboard is first well memorized so that any key may be struck without raising the eyes from the copy. The student is then ready for the drills and practice as outlined in the "Expert Typewriting"—the manual used throughout the course. The Underwood and L. C. Smith machines are used and fitted with shields which cover the entire keyboard and which aid the student in acquiring the touch system.

SUMMER SCHOOL

FACULTY FOR 1920

IRVIN R. DETWEILER,
Acting President of Goshen College.

CHRISTIAN B. BLOSSER,
Dean and Professor of Agriculture.

SAMUEL BURKHARD,
Professor of Education.

EPHRAIM J. ZOOK,
Librarian and Professor of Languages.

JONATHAN M. KURTZ,
Professor of Physical Sciences.

JOHN D. BRUNK,
Professor of Voice Culture and Art of Singing.

SAMUEL W. WITMER,
Acting Registrar and Professor of Biology.

ISAAC CLAYTON KELLER,
Professor of English.

JOHN E. WEAVER,
Business Manager and Principal of Business School.

INA K. SLATE,
Public School Art.

GERARD J. DINKELOO,
Public School Music Methods.

OTTO HOLTKAMP,
Piano and Harmony and Sight Singing.

MYRTLE COBLE,
Demonstration School and Primary Methods.

The aim of the school is to place the equipment of the College at the service of those who cannot attend at other times and to meet the needs of the following classes: (a) College students who desire to make advanced credits; (b) Common School and High School teachers, and (c) High School students who wish to make credits during the summer months.

The courses are changed from year to year in such a way as to make the work of one summer session continuous with that of the next. This is particularly true of advanced college and normal courses. Students are advised to pursue systematic work extending over several years.

The Twenty-first Annual Summer School, to be held June 14 to August 27, 1920, offers the following courses of instruction:

1. Tests and Measurements ..... Professor Burkhard
2. Introduction to Education ..... Professor Burkhard
3. Educational Psychology ..... Professor Burkhard
4. American Literature ..... Professor Keller
5. English ..... Professor Keller
6. Oral English ..... Professor Keller
7. Normal Grammar ..... Professor Keller
8. English Composition ..... Professor Keller
9. Rural Life ..... Professor Blosser
10. Physiology and Hygiene ..... Professor Blosser
11. Farm Crops ..... Professor Blosser
12. Latin ..... Professor Zook

13. French ..... Professor Zook
14. English History ..... Professor Zook
15. American History ..... Professor Zook
16. Normal Arithmetic ..... Professor Kurtz
17. Geometry ..... Professor Kurtz
18. Trigonometry .....Professor Kurtz
19. Geography ..... Professor Kurtz
20. Zoology ..... Professor Witmer
21. Botany ..... Professor Witmer
22. Shorthand ..... Professor Weaver
23. Bookkeeping ..... Professor Weaver
24. Typewriting ..... Professor Weaver
25. Public School Art ..... Ina K. Slate
26. Public School Music Methods.....Professor Dinkeloo
27. Harmony and Piano ..... Professor Holtkamp
28. Voice ..... Professor Brunk
29. Primary Methods ..... Myrtle Coble

The next annual session of the Summer School will open June 20, 1921, and will continue twelve weeks. The above outline of courses indicates the range and nature of the work offered each summer. The growth in attendance from summer to summer insures a corresponding expansion of courses in number and variety.

Write for Special Summer School Bulletin.

GOSHEN COLLEGE, Goshen, Indiana.

GENERAL INFORMATION

HISTORY AND ADMINISTRATION

Goshen College had its beginning in the Elkhart Institute, Elkhart, Indiana, in 1895. In 1896 its own building was erected and dedicated. In 1898 the institution was incorporated under the laws of Indiana. In 1901 the Constitution of the Association was amended so as to allow a board of twenty-five instead of nine members. These were distributed throughout the church. In 1901 a committee appointed by this board to secure a more favorable location and a larger campus, selected the present site in the southern part of the city of Goshen, Indiana. Here the school was opened in the rooms of East Hall, September 29, 1903. The Administration Building was dedicated January 8, 1904.

To make the school a church institution the private stockholders donated their shares to a Board of Trustees now known as the Mennonite Board of Education. This Board was organized November 16, 1905. The property was transferred to it in February, 1906. Goshen College is controlled by the Mennonite Board of Education. The business and prudential affairs of Goshen College are managed by a Local Board consisting of the President, Dean, Business Manager and four other members appointed annually by the Mennonite Board of Education.

LOCATION

Goshen is a residential city of ten thousand people located on the main line of the New York Central Railroad, one hundred and ten miles east of Chicago, and the Louisville and Benton Harbor branch of the Big Four. The Northern Indiana and Winona Interurban railways maintain an hourly service through Goshen to the north, south and west. The Elkhart river, which is noted for

its beauty flows through the city and in its valley lies one of the richest farming communities in Northern Indiana. The college campus consists of ten acres of ground located in Parkside, a beautiful suburb of the city.

AIM

The aim of Goshen College is expressed in its motto, "Culture for Service." Through culture the student shall develop his life physically, intellectually, socially, morally and spiritually. Due attention is given to each as it is of importance in the life of the true man and woman. Religion is not made incidental in the institution, but is to pervade its life and spirit. The end and aim of culture is to do, and not simply to be or to know.

While the primary aim of the institution is to provide a college home for the children of the Mennonite Church, under most wholesome moral and religious influences, those of other churches are heartily welcomed, as well as non-Christians of good moral character. Members of the Mennonite Church are expected to exemplify in their lives and conduct the principles of the simple life. Modesty and simplicity in dress and social customs are encouraged. Loyalty to the Church and her counsels are taught. Persistent efforts are made to co-operate with the Church in the work of deepening the spiritual life of the young people and in training them for loyal and efficient service in the Church.

CAMPUS AND BUILDINGS

The campus of Goshen College consists of ten acres beautifully located in Goshen College addition to the City of Goshen.

The Administration building is a commodious four story, stone and brick structure. It contains modern well lighted recitation rooms, offices, library, reading rooms, assembly hall, commercial rooms, gymnasium and cloak rooms.

The new Science Hall is a large four story brick structure built on the most approved lines for the work in science, agriculture and home economics. The entire building is well lighted and the laboratories are commodious and well equipped with apparatus for the various lines of work. Aside from laboratories it also contains one lecture room, a number of class rooms, offices, a green house and museum.

Kulp Hall is a stone and brick building three stories above ground floor. It contains a students' dining hall, reception room, Matron's rooms and music studio together with practice rooms. The second and third floors contain furnished rooms for young women.

East Hall is a two story frame building located just north of the college campus. It is divided into three separate apartments and has furnished rooms for young men. The care of the rooms is in charge of a competent matron and each apartment has its own master.

These buildings are heated from a central plant, are electrically lighted and supplied with hot and cold water.

LIBRARY

The College Library, located in the Administration Building, contains over five thousand carefully selected volumes, distributed in subject matter among the different departments of instruction and books of general cultural interest. New books are constantly added through a special library fund and also by the Students' Library Association. The library is classified and catalogued according to the Dewey system and has every aid to make it of practical value to the student. The reading room is supplied with daily and weekly periodicals and the leading magazines. During the day the students have free access to the stack room and reference books may be consulted at any time.

The Mennonite Historical Library is a collection of

books on Mennonite history and literature. It has been donated to the college by the Alumni Association and private individuals.

The city of Goshen has a large and well equipped Carnegie Library of 15,000 volumes to which the students have free access.

THE LABORATORIES

The new Science Hall contains a number of laboratories with modern equipment for both general and special scientific work.

Chemistry.—The three chemical laboratories located on the third floor are provided with forty individual students' desks for experimental work in general Chemistry, twenty-four in Qualitative Analysis and Organic Chemistry and sixteen in Quantitative Analysis. The desks are fully equipped with gas, water and re-agent bottles. Each laboratory has a number of evaporating hoods. Supply rooms adjoining these laboratories contain the necessary chemicals and apparatus.

Physical.—The Vesperian Laboratory for Physics and Astronomy also on the third floor is provided with the necessary physical apparatus for both Academy and College work in mechanics, heat, light, sound, electricity and magnetism. A dark room is equipped for photometry and other experiments in light. A three and one-half inch telescope equatorially mounted and controlled by a modern Gaertner driving clock is used in astronomical work.

Biological.—The Biological Laboratory in addition to the usual furnishings is equipped with demonstration cases, a rack for insect cases, a large collection of mounted insects, bird skins, vertebrate skeletons, dissections in alcohol, life histories in alcohol, compound microscopes, microscopic slides, charts, models and a human skeleton. There are also a number of books for reference.

Agricultural.—The agricultural laboratories are equip-

ped so that thorough work can be done in the courses offered. They are provided wih tables, desks and necessary furniture.

The dairy laboratory contains such apparatus as milk testers, cream scales, moisture test scales and ovens, acid testers, a steam boiler, cream separators, churn, ice cracker and other necessary materials.

The horticultural laboratory is also used for the field crops work and contains laboratory material for both horticulture and field crops.

Home Economics.—The Home Economics laboratories are located on the second floor.

The kitchen is equipped with students' desks, gas plates, cooking utensils, cabinets and refrigerator. The dining room is provided with the necessary furniture to give practical experience in serving. The sewing room is equipped with sewing tables, four sewing machines, chair, electric iron, pressing board and cabinet.

MUSEUM

In the Museum which is on the second floor of the Science Hall, there are exhibited various things of interest such as fossil remains of animals, minerals, Oriental costumes, Indian relics. Of especial interest is the India collection which represents more or less completely the life and customs of the central provinces of India. Gifts to the Museum are always appreciated.

ATHLETICS

A room in the basement of the Administration Building is devoted to physical exercise. A bath room with shower baths and dressing rooms adjoins the gymnasium.

The athletic field contains a sixth-mile track, base-

ball diamond and tennis courts. The Elkhart river runs near the college and affords opportunity for skating, rowing and swimming.

COLLEGE FARM

The College owns a sixty-acre farm which lies one-third mile east of the campus.

Every effort is made to make the farm a source of income as well as an adjunct to laboratory and class work. Its equipment is at the disposal of the School of Agriculture.

ARRIVAL OF STUDENTS

Due notice should be given of the time and train on which students arrive, so that they may be met at the depot.

Students should leave their baggage at the depot, take the street car, going south on Main street to the College, where arrangements can be made for room and board.

REGISTRATION

1. On registration day at the beginning of each term every student (both old and new) must obtain in person at the Registrar's office, a registration card.

2. This card the student presents to the Head of the Department in which he desires to enroll.

3. The Head of the department enters upon his card the subjects desired by the student, except for college Juniors and Seniors, who register with their major professor.

4. The student next presents this card to the several instructors whose courses he wishes to enter and the instructor affixes his signature opposite his course.

5. When each instructor's signature has been ob-

tained, the student presents the duly signed card at the Business Office and settles for tuition and other fees.

6. When a student fails to file his card at the Business Office before the close of the opening week of school a fee of fifty cents will be added to the tuition.

7. All accounts are due in advance.

8. All matriculated students who register later than the second day of each term will be charged a fee of one dollar for registration.

9. New students after obtaining a registration card at the office of the Registrar, must present themselves at the President's office for matriculation.

10. All students entering the institution for the first time are charged a matriculation fee of one dollar.

COURSES OF STUDY

This catalog gives a complete outline of the courses of study offered by Goshen College. Anyone desiring to begin a particular branch of study should note carefully in the catalog the date on which such branch begins in the regular course. Extra classes may be formed when six or more students desire to take the same study at the same time. Correspondence is invited when any special study is desired.

CHANGE OF STUDIES

Change of studies must be authorized by the Head of the Department in which the student is enrolled. Any subject once taken up cannot be dropped without the consent of the Head of the Department.

EXTRA WORK

Students are not allowed to register for more than the regular number of hours constituting the work of any de-

partment without the permission of the Committee on Extra Work.

Application for extra hours must be made on special blanks obtained at the Registrar's office and applications must be handed to the Chairman of the Committe on Extra Work during Registration Days.

When more than one additional hour is taken, additional tuition is charged at the rate of one dollar and fifty cents per term hour in the Academy and two dollars in the College except in case where extra tuition is already due for the course taken.

EXAMINATION AND GRADES

Written examinations are given at the end of each term and during the term at the discretion of the instructor. The student's work for the term includes recitation, written work and examinations and is graded as follows: A, B, C, D, E, are passing grades; F, may be passed upon another examination; G, failed.

REPORTS

A report of each students' work will be sent at the end of each term to the parent or guardian of the student, upon request to the Registrar.

DIPLOMAS

Diplomas will be given to all students who finish the work outlined in the College, Normal, Academy, Regular Bible, Business, Regular Music and Agriculture courses, on condition that they have been students of the college at least one year.

CERTIFICATES

Persons completing the English Bible course, Chorister's, Domestic Science, Business, Public School Music

and Agricultural short courses, will be given certificates showing the work actually done.

DISCIPLINE

It is the aim of the Faculty to maintain such discipline as will make it possible for the students to do their best work and form good habits of conduct. The Dean and Dean of Women enforce the regulations as outlined by the Committee on Rules and Discipline and try to aid each individual student, by advice and criticism, to cultivate that spirit which seeks only that which is best and noblest for self, but which has even a greater concern for the highest welfare of every member of the school.

RULES

The young women are required to room at Kulp Hall except when excused by the Dean of Women. Modern conveniences and homelike surroundings are features that make it a very desirable home for young women.

The young men may find rooms in East Hall or in approved private homes near the college.

Groups of young men are not permitted to take rooms except in houses in charge of approved matrons.

I. All students are required:

1. To attend chapel every day.

2. To abstain from the use of tobacco, card playing and profane language.

II. Non-resident students are required:

1. To attend Sunday school and one church service each Lord's day at their regular place of worship.

2. To be in their rooms at 8 p. m. except, (a) on Saturdays, when the time is extended to 10 p. m.; (b) when attending church services; (c) when at-

tending meetings at the College, after which services or meetings they shall go immediately to their rooms.

3. Lady students shall not receive gentlemen callers at their rooms.

4. Students shall select rooms from among those approved by the Faculty.

5. Lady and gentlemen students shall not take rooms in the same home.

STUDENT ORGANIZATIONS

THE STUDENTS' COUNCIL

In order to facilitate the most helpful relations between the Faculty and student body a Students' Council composed of representatives from the various classes and religious organizations has been organized. This Council represents the students in a sympathetic co-operation with the Faculty in maintaining the best standards of College life and work. We believe that this plan has been the means of securing the feeling of good-will so evident between the Faculty and the students.

YOUNG PEOPLE'S CHRISTIAN ASSOCIATION

The Young People's Christian Association, a religious organization of students doing aggressive Christian work, has the general oversight of the religious work among the students and provides for other legitimate needs of student life.

Devotional meetings which are a source of inspiration and general help to all students, are held every Thursday evening. A special effort is made to help students form the habit of regular devotional Bible study and for this purpose Bible classes are organized which meet every Tuesday evening for review of the daily studies. These

courses continue throughout the whole of the Academy and College work and cover much of the Old and New Testaments. There are also several classes for the study of home and foreign missions. These meet every Tuesday evening for a discussion of the week's studies. By means of these studies the students become familiar with the needs and call of the home and foreign mission field.

MISSION BANDS

Two mission bands (home and foreign) meet regularly throughout the school year to study systematically the various subjects necessary for a complete knowledge of the home and foreign mission fields. Volunteers for missionary service find these bands a source of great help.

The Association also devotes part of its energy to student work. New students are met at the trains, assisted in finding suitable rooms and given every possible assistance in beginning their work. An employment bureau makes it possible for students to earn a large part of their expenses.

LITERARY SOCIETIES

Four College and two Academy Literary Societies conducted by students, are in successful operation under the general supervision of the Faculty. They give ample practice for original composition and public speaking.

College.—The Adelphian and Aurora Societies are for the men and Vesperian and Avon Societies for the women of the College Department. They have separate meetings every Monday evening and on Friday evenings they unite their efforts in presenting four public programs each term. These societies are maintaining high standards in their work.

Academy.—The Ciceronian Society is for the young men of the Academy. It affords good training in logical debate and parliamentary law.

The Philomathian Society is open to all young women of the Academy. It affords opportunities for practice of music, reading and original composition.

Joint meetings, open to the public, are held by the Academy Societies on Friday evenings twice a term. Separate meetings are held by each society every Monday.

STUDENTS' LIBRARY ASSOCIATION

The Students' Library Association is organized for the purpose of adding books to the library established by the Association. The Association draws on the funds of the literary societies for its support, and only members of the literary societies are members of the Students' Library Association.

STUDENTS' LECTURE ASSOCIATION

The Students' Lecture Association is organized for the purpose of conducting a course of lectures for the benefit of the students. The literary societies furnish the necessary funds for the course.

ORATORICAL ASSOCIATION

The Oratorical Association is composed of students interested in Debating and Oratorical work. The membership is limited to the interclass and intercollegiate debating teams and orators in the intercollegiate Peace Oratorical Contests.

CHEMICAL SOCIETY

The Chemical Society meets once each school month to discuss scientific subjects related to chemistry. Membership is limited to students, professors, and alumni of Goshen College who have done or are pursuing work in Chemistry beyond the first year.

ALUMNI ASSOCIATION

The Alumni Association of Goshen College was or-

ganized April 13, 1901. Its object is "to maintain school friendship and a strong school spirit, to further the interests of the institution it represents, and to promote higher education." The Association has an endowment fund, the income of which in the past has been used to purchase books for the Mennonite Historical Library. These books were donated to the college and make a very valuable collection.

GOSHEN COLLEGE RECORD

The Goshen College Record is published monthly by a staff selected from the student body. Appointments are made each year by the Committee on Publications. It is the aim of the paper to serve as a medium for literary work, to record the more important happenings of the college year and to afford a means of communication between the institution and the former students. The publication is under the supervision of a committee of the Faculty.

TEXT BOOKS

Text books are for sale at the College Book Store. A limited number of books that will be used the following year will be bought from students at the close of each term.

PHYSICAL EDUCATION

Courses in physical education are offered to prospective teachers in connection with the regular teachers' training work.

Classes in physical training with a view to promoting the health and physical fitness of the student are organized each year.

Outdoor sports and games are encouraged during the spring and fall terms.

COLLEGE DINING HALL

It is the purpose of the managers of the College Din-

ing Hall to furnish a plentiful supply of wholesome food at the lowest possible rates.

STUDENTS' SELF HELP

Young people who lack sufficient money to pay all expenses will find many opportunities in Goshen to earn money while attending college. The College gives employment to a number who are doing tutoring, library, janitor or dining room work. The employment committees of the Y. P. C. A. assist students in getting work in the city.

SCHOLARSHIPS

Provisions are made through scholarships, to assist worthy students who are preparing for general mission or church work. Students desiring assistance through these scholarships, should make application to the scholarship committee, appointed from the Local Board.

The firm, Lewis & Jacobs, of Goshen, offers $50.00 anually as scholarships to be granted by the College to qualified students entering the School of Agriculture.

PRIZES

Hon. B. F. Deahl, of Goshen, annually offers two prizes of fifteen and ten dollars each to the winner of the local Peace Oratorical Contest.

Several wills have been made recently in favor of Goshen College. In such donations the following form should be used. "I hereby give, devise and bequeath to the Mennonite Board of Education for Goshen College the sum of ..... Dollars to be used to maintain the ..... Fund of Goshen College, Goshen, Indiana.

CALENDAR OF PUBLIC EVENTS

Oct. 21—Musical Recital: Helen Stone Torgeson, Harpiste; Louise Hattstaedt Winter, Soprano.

Nov. 11—Wallace Amsbury, lecture, "An Evening with Riley."

Nov. 25—Intercollegiate debate.

Dec. 16—Philharmonic Concert, "The Messiah." Soloists: Ruth Lowenberg, Soprano; Ruth Simmons Worthington, Contralto; Edward Walker, Tenor; Rollin Pease, Bass.

Jan. 20—William Rainey Bennett, lecture, "Pathways to Power."

Feb. 12—Marion B. Fisk, Cartoonist and Lecturer.

Feb. 23—The Zoellner String Quartet.

Mar. 5—Fred G. Bale, lecture, "The Conservation of Childhood."

Mar. 18—Sidney Landon, lecture, "Speaking Likenesses of Great Men."

Mar. 30—Hortense Nielson, reading, "A Doll's House," Ibsen.

April 20—Glenn Frank, lecture, "The Old Order and the New Disorder."

April 26—Piano Recital, Noble Kreider.

April 30—Annual Home Concert, College Glee Clubs.

Twenty-fifth Anniversary

COMMENCEMENT PROGRAM

Sunday, June 6.

2:00 P. M.—Missionary Program - C. D. Esch, Presiding

The Gospel in the City - - - C. K. Hostetler
Qualifications for Missionary Work - B. B. King
The Foreign Field and Its Needs - - A. C. Brunk
The Great Commission - - - Ernest E. Miller

7:00 P. M.—Baccalaureate Sermon - - S. F. Coffman

Monday, June 7.

10:30 A. M.—A Survey of Church Interests and Problems - - - - Daniel Kauffman, Presiding

The General Conference - - - D. H. Bender
The Publication Board - J. S. Shoemaker, Pres.

2:00 P. M.—A Survey of Church Interests and Problems - - - - David A. Yoder, Presiding
The Mission Board - - - - C. Z. Yoder, Pres.
The Educational Board - - Sanford Yoder, Pres.

7:30 P. M. - - - - - - - - D. D. Miller, Presiding
The Sunday School at Work - - I. W. Royer
The Church and the Open Door in the Foreign Field - - - - - - - - - - - S. E. Allgyer

Co-operation in Church Work - - - Vernon Smucker

Tuesday, June 8.

10:30 A. M.—Round Table Discussion, I. R. Detweiler, Presiding

General Subject, "Uniting Our Efforts."

Wednesday, June 9.

2:00 P. M.—Twenty-fifth Anniversary Program, G. J. Lapp, Presiding

Our Educational Beginnings - - J. S. Hartzler
"Culture for Service" - - - - - - D. S. Gerig
The Student Life - - - - - - - J. E. Hartzler
The Religious Life - - - - - - P. E. Whitmer
The Educational Growth of the College - N. E. Byers

Thursday, June 10.

10:30 A. M. - - - - - - - D. A. Lehman, Presiding

Recent Tendencies in Secondary Education, James Wilkinson, Supt. of Goshen Schools

The Function of the Small College in the Training of Teachers, Dr. Charles S. Pendleton, Dept. of Education, University of Wisconsin.

2:00 P. M. - - - - - - - W. B. Weaver, Presiding

The Standard College - - - - C. B. Blosser

The Denominational College

Its Financial Requirements - I. R. Detweiler

Its Religious Obligations - - A. J. Steiner

Its Fnancial Requirements - I. R. Detweiler

7:30 P. M. - - - - - - - C. B. Blosser, Presiding

Co-operation between the College and the Secondary School, Dr. C. O. Davis, Dept. of Education, University of Michigan.

Friday, June 11.

7:30 P. M.—Commencement Exercises.

Address by President James L. McConaughy of Knox College.

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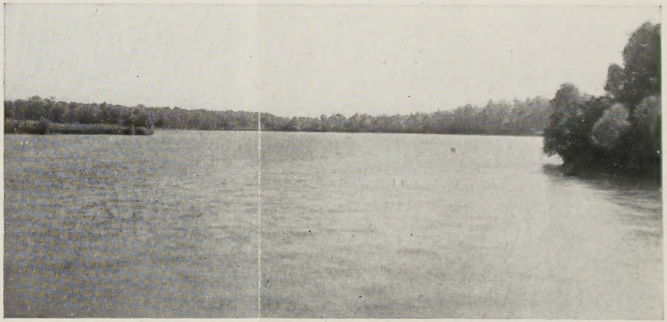
SCIENCE HALL AND ADMINISTRATION BUILDING—GOSHEN COLLEGE

CAMPUS AND PARKSIDE



SCENE ALONG ELKHART RIVER

EXPENSES

TUITION

Tuition charges for each term of the year are uniform.

All expenses are payable in advance and must be settled with the Business Manager before the close of the first week of any term. Failure to do this will debar a student from further attendance of classes until term bills are settled.

College

Per term, in advance $28.00
Per year, in advance 80.00

Academy and Business

Per term, in advance $20.00
Per year, in advance 55.00

Students taking more than 16 hours (recitations) work in College or 17 in Academy will be charged the following rates:

College, per hour $2.50
Academy, per hour 2.00

No tuition, either class or private, will be refunded except in cases of protracted sickness or by order of the Local Board.

Special Courses.

Special Bible Term, six weeks $10.00
Four hours in Academy, per term 9.00
Eight hours in Academy, per term 14.00
Five hours in College, per term 15.00
Ten hours in College, per term 22.00

Special Fees.

Laboratory fee, College, per term credit ..... $ .75
Matriculation fee (Paid only on first registration).. 1.00

Music.

Private lessons per term with Professor Ebersole, in Voice, or Mr. Holtkamp, in Piano:

25 minutes, twice a week $19.00
25 minutes, once a week 12.00

With Mrs. Ebersole, in Voice, or Miss Guth, in Piano:
25 minutes, twice a week $14.50

Children under twelve years of age, piano:
20 minutes, once a week ..... $ 7.50

Harmony, Ear Training and Dictation, History of Music, Sight Singing or Elements of Voice Culture, class of six or more each, $5.50; Public School Music Methods, and Art, class of six or more, $6.00.

Special Tuition.

For reduced rates to those taking a complete course in music as outlined in catalog, see page 86.

Piano rent, per term:

One interval, each day $2.50
Two intervals, each day 5.00
Three intervals, each day 7.50
Grand Piano, extra per term for each interval ..... .85

Students who register in the Music Department may have Academy tuition at $1.50 per hour and College at $2.00.

Diplomas.

Diploma fee, degree $5.00
Diploma fee 3.00
Certificate fee 1.00

Board

Per term, in advance $48.00

Christmas vacation, additional 7.00

Owing to the uncertainty of prices on food stuffs the above prices are made for the Fall term. It is the intention of the institution not to increase them during the year but it at the same time reserves the right to do so in case advances in provisions make it necessary.

Rooms.

Per term, in advance ..... $18.00 to $24.00

These prices are for furnished rooms, two in a room, including heat, light and washing. The price depends upon the location of the room in the building. The higher rate is for those fronting east and south respectively.

Each student should bring one comforter, towels and bed linen.

Rooms will be reserved at the dormitories for regular students on receipt of a deposit of $2.00 to be applied on room rent. On receipt of such deposit rooms will be held one week at the beginning of the term. These deposits will not be refunded and are not transferable.

GRADUATES OF 1919

DEGREES CONFERRED

Bachelor of Arts

Allgyer, Anna Mary ..... West Liberty, Ohio
Brubaker, Emma Margaret ..... Goshen, Indiana
Burkhard, Noah ..... Roseland, Nebraska
Ebersole, Emma Mae ..... Sterling, Illinois
Esch, Christian David ..... Goshen, Indiana
Eschliman, Alvin Ray ..... Dalton, Ohio
Jones, Bernice ..... Goshen, Indiana
Meyer, Emanuel A. ..... Sterling, Ohio
Miller, Henry Clay ..... Sugar Creek, Ohio
Shoup, Vernon Dean ..... Middlebury, Indiana
Weber, Harry Franklin ..... Sterling, Illinois
Wenger, Mary Savilla ..... Wakarusa, Indiana
Yoder, Iva ..... Shipshewana, Indiana

Graduates from Academy

Beery, Ruby Alice ..... Columbus Grove, Ohio
Bohn, Ernest ..... Millersburg, Indiana
Bond, Martha June ..... Goshen, Indiana
Brubaker, Ruth Mae ..... Freeport, Illinois
Burkhard, Esther ..... Goshen, Indiana
Burkhard, Samuel Theodore ..... Goshen, Indiana
Evans, Wallace Milton ..... Goshen, Indiana
Hostetler, Elizabeth ..... Baltic, Ohio
Lapp, Barbara Ruth ..... South English, Iowa
Mast, Plessa L. ..... Elida, Ohio
McCulloh, Martha Mae ..... Cullom, Illinois
Shenk, Lillie S. ..... Elida, Ohio
Smoker, Ruby M. ..... Goshen, Indiana
Snider, Noah Willard ..... Waterloo, Ontario
Sommer, Mary Ann ..... Metamora, Illinois
Weaver, Roy Merlin ..... New Paris, Indiana
Yoder, Ruth Edna ..... West Liberty, Ohio

Graduates in Music

Thut, Bernice Irene ..... Beaverdam, Ohio
Conrad, Rozella Marie ..... Smithville, Ohio

Graduates in Business

Conrad, Mary Ellen ..... Louisville, Ohio
Stettler, Emma F. ..... Goshen, Indiana
Walker, Rosemond ..... Middlebury, Indiana
Whitehead, Delta M. ..... Goshen, Indiana
Williams, L. Geneva ..... Goshen, Indiana

Student Enrollment 1919-1920

COLLEGE

Seniors

Abbet, Roscoe O. ..... Goshen, Indiana
Allgyer, Anna ..... West Liberty, Ohio
Brubaker, Emma ..... Goshen, Indiana
Burkhard, Noah ..... Roseland, Nebraska
Ebersole, Emma Mae ..... Sterling, Illinois
Esch, Christian David ..... Goshen, Indiana
Eschliman, Alvin Ray ..... Dalton, Ohio
Jones, Bernice ..... Goshen, Indiana
Meyer, E. A. ..... Sterling, Ohio
Miller, H. C. ..... Sugar Creek, Ohio
Shoup, Vernon D. ..... Middlebury, Indiana
Weber, Harry F. ..... Sterling, Illinois
Wenger, Savilla ..... Wakarusa, Indiana
Yoder, Iva ..... Shipshewana, Indiana

Juniors

Baer, Martin ..... Topeka, Indiana
Good, Mary ..... Elida, Ohio
Grassmyer, A. Fay ..... Belleville, Pennsylvania
Harnish, Ella ..... Garden City, Missouri
Hershberger, Lloyd G. ..... Walnut Creek, Ohio
Hostetler, Daniel ..... Baltic, Ohio
King, Chancey ..... West Liberty, Ohio
Kratz, Clayton ..... Blooming Glen, Pennsylvania
Lantz, Nora ..... Topeka, Indiana
Leaman, Bertha ..... Gordonville, Pennsylvania
Lehman, Josephine ..... Nappanee, Indiana
Miller, David W. ..... Sugar Creek Ohio
Nunemaker, Harvey E. ..... Sterling, Illinois
Smucker, Wilma ..... Orrville, Ohio
Smucker, Ralph ..... Dhamtari, C. P. India
Steiner, Esther ..... Columbus Grove, Ohio
Stoltzfus, Lena ..... West Liberty, Ohio
Umble, Fern ..... West Liberty, Ohio

Sophomores

Bender, Florence ..... Elkhart, Indiana
Blosser, Esther ..... Rawson, Ohio
Brubaker, Josephine ..... Goshen, Indiana

Diller, Arthur ..... Elida, Ohio
Hartzler, Minerva ..... Belleville, Pennsylvania
Hershberger, Glen ..... Kent, Ohio
Hile, LaFayette ..... Etna Green, Indiana
Huitema, Grace ..... New Paris, Indiana
Kenagy, Amos ..... Albany, Oregon
King, Allen Y. ..... Hudson, Ohio
Krabill, Mahlon ..... Louisville, Ohio
Miller, Maude ..... Garden City, Missouri
Miller, Nellie ..... Elkhart, Indiana
Miller, Gladys ..... Shipshewana, Indiana
Riehl, Ina ..... Leetonia, Ohio
Riesen, Cordelia ..... Berne, Indiana
Russell, Rosa ..... Oblong, Illinois
Snyder, Edna ..... Preston, Ontario
Sprunger, Arthur ..... Berne, Indiana
Thornton, Vera ..... Goshen, Indiana
Thornton, Berdine ..... Goshen, Indiana
Weaver, Robert ..... Goshen, Indiana
Wysong, Ralph ..... Goshen, Indiana
Yoder, Gola ..... Goshen, Indiana
Yoder, Howard ..... Wooster, Ohio

Freshmen

Alford, Donald ..... Goshen, Indiana
Anderson, Agnes ..... Chicago, Illinois
Anderson, Margaret ..... Chicago, Illinois
Arnold, Levi ..... New Paris, Indiana
Bachman, Esther ..... Tiskilwa, Illinois
Bauman, Irvin ..... Elmira, Ohio
Baumgardner, J. Gaius ..... Rawson, Ohio
Bender, Violet ..... Elkhart, Indiana
Davis, George ..... Goshen, Indiana
Dillman, Roscoe ..... Goshen, Indiana
Eigsti, Emery ..... Manson, Iowa
Eigsti, Edna ..... Morton, Illinois
Eigsti, Ira ..... Buda, Illinois
Evans, Eldon ..... New Paris, Indiana
Evans, Wallace ..... Goshen, Indiana
Eve, Lee ..... Larwill, Indiana
Fulmer, Clarence ..... Perkasie, Pennsylvania
Good, Harold ..... Sterling, Illinois
Hartzler, Esther ..... West Liberty, Ohio
Hartzler, B. Frank ..... West Liberty, Ohio
Horne, Ruth ..... Goshen, Indiana
Hostetler, Anna ..... Sugar Creek, Ohio
Hostetler, Mervin ..... Baltic, Ohio

Hutchinson, Maxwell ..... Middlebury, Indiana
Kanagy, Minnie ..... New Castle, Pennsylvania
Kreider, Herman ..... Wadsworth, Ohio
Kropf, Glenn ..... Orville, Ohio
Lantz, Ray ..... Topeka, Indiana
Lavering, Mosey ..... Goshen, Indiana
Lefevre, Noah H. ..... Sterling, Illinois
Marchand, DeCoy ..... Larwill, Indiana
McCumsey, Warren ..... Goshen, Indiana
Mick, Wyatt ..... Goshen, Indiana
Murray, Clarence ..... Shipshewana, Indiana
Neuenschwander, Edna ..... Berne, Indiana
Pletcher, Miles ..... Goshen, Indiana
Riggle, Noble ..... Goshen, Indiana
Rychener, Jesse ..... Pettisville, Ohio
Schertz, Lela ..... Roanoke, Illinois
Schertz, Ray ..... Metamora, Illinois
Shenk, Wilson ..... Elida, Ohio
Smith, Arthur ..... Metamora, Illinois
Smith, Pearl ..... Metamora, Illinois
Smucker, Ruth ..... Tiskilwa, Illinois
Snyder, Daniel ..... Roseland, Nebraska
Stauffer, Bessie ..... Rittman, Ohio
Steiner, Luke ..... Columbus Grove, Ohio
Troyer Clarence ..... Sugar Creek, Ohio
Thut, John ..... Beaverdam, Ohio
Ulery, Ed ..... Goshen, Indiana
Wambaugh, Jay ..... Goshen, Indiana
Weaver, Verda ..... Goshen, Indiana
Weddell, Hazel ..... Goshen, Indiana
Yoder, Iva Mae ..... Topeka, Indiana
Yoder, Leah ..... West Liberty, Ohio
Yoder, Mary ..... Wooster, Ohio
Yoder, Elmer J. ..... Columbiana, Ohio
Yoder, Oliver ..... Belleville, Pennsylvania
Yoder, Roland ..... Bremen, Indiana
Yoder, Cora ..... Belleville, Pennsylvania
Yoder, Ray ..... Orrville, Ohio

NORMAL SCHOOL

Anderson, Agnes ..... Chicago, Illinois
Baker, Edna ..... Laotto, Indiana
Blood, Nellie ..... Bristol, Indiana
Burkley, Louise ..... Middlebury, Indiana
Chrisman, Irma ..... Millersburg, Indiana
Dierdorff, Edna ..... Goshen, Indiana
Easterday, Charles ..... Bremen, Indiana

Evans, Eldon ..... New Paris, Indiana
Gerver, Pauline ..... Wawaka, Indiana
Graves, Jessie ..... South Bend, Indiana
Gray, Barbra ..... Kimmel, Indiana
Hartzler, Esther ..... West Liberty, Ohio
Hostetler, Anna ..... Sugar Creek, Ohio
Hostetler, Rollin ..... Topeka, Indiana
Isenbletter, Ruby ..... Millersburg, Indiana
Landon, Opal ..... Wawaka, Indiana
Lantz, Martha ..... Topeka, Indiana
Larrison, Mae ..... Amboy, Indiana
Litweiler, Lillian ..... Middlebury, Indiana
Long, Geneva ..... Osceola, Indiana
Long, Martha ..... Goshen, Indiana
Miller, Bertha ..... Middlebury, Indiana
Oesch, Antoinette ..... Shipshewana, Indiana
Prough, Bernice ..... Ligonier, Indiana
Rice, Mary ..... Topeka, Indiana
Schang, Helen ..... South Bend, Indiana
Schwab, Modelle ..... Wawaka, Indiana
Shank, Forest ..... Goshen, Indiana
Stahly, Bernice ..... Middlebury, Indiana
Stauffer, Bessie ..... Rittman, Ohio
Stuckman, Vesta ..... Kimmel, Indiana
Stuckman, Loyal ..... Nappanee, Indiana
Stuckman, Elva ..... Kimmel, Indiana
Thut, Hiram ..... Beaverdam, Ohio
Troyer, Bessie ..... LaGrange, Indiana
Troyer, Minnie ..... LaGrange, Indiana
Tusing, Esther ..... Milford, Indiana
Webb, Maude ..... Goshen, Indiana
Wysong, Inez ..... Goshen, Indiana
Wysong, Gladys ..... Goshen, Indiana
Yoder, Cora ..... Belleville, Pennsylvania
Young, Edith ..... Shipshewana, Indiana

ACADEMY

Fourth Year

Beery, Ruby ..... Columbus Grove, Ohio
Bohn, Ernest ..... Millersburg, Indiana
Bond, Martha ..... Goshen, Indiana
Bond, Mary ..... Goshen, Indiana
Brubaker, Ruth Mae ..... Freeport, Illinois
Burkhard, Esther ..... Goshen, Indiana
Burkhard, Samuel Theodore ..... Goshen, Indiana
Ebersole, Bertha ..... Sterling, Illinois

Hostetler, Elizabeth ..... Baltic, Ohio
Lapp, Barbara Ruth ..... South English, Iowa
Mast, Plessa L. ..... Goshen, Indiana
McCulloh, Martha ..... Cullom, Illinois
Schmucker, Della ..... Maximo, Ohio
Shenk, Lillie ..... Elida, Ohio
Smoker, Ruby ..... Goshen, Indiana
Snider, N. Willard ..... Waterloo, Ontario
Spiker, Delta ..... Wooster, Ohio
Sommer, Mary ..... Metamora, Illinois
Thut, Edna ..... West Liberty, Ohio
Weaver, Roy ..... New Paris, Indiana
Yoder, Ruth Edna ..... West Liberty, Ohio
Yoder, Mearl ..... Goshen, Indiana

Third Year

Bauman, Oliver ..... Elmira, Ontario
Bowman, Edna ..... Waterloo, Ontario
Cheer, Janet ..... Chicago, Illinois
Christophel, Alice ..... Morral, Ohic
Froese, Tina ..... Main Centre, Saskatchewan
Gorsuch, Foster ..... Goshen, Indiana
Guth, Eunice ..... Algonquin, Illinois
Hershberger, Nora ..... Walnut Creek, Ohio
Horst, Bertha ..... White Cloud, Michigan
Hostetler, James ..... Baltic, Ohio
Kreider, Iva ..... Wadsworth, Ohio
Miller, Edith ..... Pinto, Maryland
Neff, Florence ..... New Paris, Indiana
Pletcher, Schuyler ..... Goshen, Indiana
Schertz, Vera ..... Roanoke, Illinois
Shantz, Sarah A. ..... Elkhart, Indiana
Shenk, Lydia ..... Elida, Ohio
Smoker, Louise ..... Goshen, Indiana
Smucker, Wilbur ..... Goshen, Indiana
Talbot, Alice ..... Chicago, Illinois
Winkler, Sidney ..... Metamora, Illinois
Yordy, Alvin ..... Eureka, Illinois
Zehr, Lena ..... Hopedale, Illinois

Second Year

Bender, Lucretia ..... Springs, Pennsylvania
Bontrager, Edward ..... Goshen, Indiana
Eigsti, Wilmer ..... Middlebury, Indiana
Eschliman, Samuel ..... Dalton, Ohio
Frey, Lewis ..... Amboy, Indiana

Gardner, Fern ..... Goshen, Indiana
Hoover, Maynard ..... Goshen, Indiana
Hostetler, Vesta ..... Baltic, Ohio
Hostetler, Orpha ..... Baltic, Ohio
Mast, Grace ..... Goshen, Indiana
Mast, Harold ..... Charm, Ohio
Mast, Jennie ..... Goshen, Indiana
Roeschley, Noah ..... Flanagan, Illinois
Schantz, Elizabeth ..... Hopedale, Illinois
Shantz, Mary ..... Marion, Ohio
Shoup, Hettie ..... Seville, Ohio
Smith, Edward ..... Eureka, Illinois
Smoker, Guy ..... Goshen, Indiana
Smoker, Walter ..... Goshen, Indiana
Smucker, Paul ..... Goshen, Indiana
Snyder, Lillian ..... Baden, Ontario
Weber, Laura ..... Sterling, Illinois
Wenger, William ..... Marion, Ohio
Yoder, Albert ..... Goshen, Indiana
Yoder, Harry ..... Goshen, Indiana

First Year

Albrecht, Silas ..... Tiskilwa, Illinois
Augsburger, Esther ..... Flanagan, Illinois
Bachman, Ray ..... Metamora, Illinois
Baumgartner, Joseph ..... Milford, Indiana
Bender, Walter ..... Springs, Pennsylvania
Camp, Clifford ..... Washington, Illinois
Diller, Clara E. ..... Elida, Ohio
Eschliman, Nora ..... Dalton, Ohio
Frey, Lewis ..... Amboy, Indiana
Fuller, Royce V. ..... Milford, Indiana
Gingerich, Amelia ..... Cazenovia, Illinois
Good, Laura ..... Rantoul, Illinois
Good, Ivan ..... Rantoul, Illinois
Heiser, Jesse ..... Fisher, Illinois
Hoover, Curtis M. ..... Goshen, Indiana
Hostetler, Cora ..... Baltic, Ohio
Landis, Elmer ..... Bellefontaine, Ohio
Long, Reuel ..... Chambersburg, Pennsylvania
Long, Maurice ..... Nappanee, Indiana
Long, Ray ..... Nappanee, Indiana
Long, Warren ..... Nappanee, Indiana
McWhirter, Esther ..... Chicago, Illinois
Miller, Ernest ..... Springs, Pennsylvania
Mumaw, Anna ..... Wooster, Ohio
Nofsinger, Cathryn ..... Washington, Illinois

Ross, Omer ..... Elida, Ohio
Schertz, Alma ..... Metamora, Illinois
Sommer, David ..... Metamora, Illinois
Smucker, Silas ..... Goshen, Indiana
Smucker, Effie ..... Smithville, Ohio
Snyder, Fred ..... Waterloo, Ontario
Swartz, Paul ..... Goshen, Indiana
Swartz, Lois ..... Goshen, Indiana
Yoder, Glenn ..... Nappanee, Indiana
Yoder, Carrie ..... Shipshewana, Indiana
Yoder, Ordo J. ..... Goshen, Indiana
Zook, Ellis ..... Belleville, Pennsylvania

BUSINESS

Albrecht, Dorothy ..... Tiskilwa, Illinois
Conrad, Ellen ..... Louisville, Ohio
Darr, Marie ..... Goshen, Indiana
Davis, Lillian ..... Benton, Indiana
Forbes, Leonard ..... Kendallville, Indiana
Garver, Harold ..... Elkhart, Indiana
Kauffman, Bernice ..... Middlebury, Indiana
Kelsey, Lucile ..... Goshen, Indiana
Krider, Lettie ..... Goshen, Indiana
Leer, Eston ..... Goshen, Indiana
Moore, Ralph ..... Goshen, Indiana
Rippey, Harry ..... Goshen, Indiana
Rose, Mrs. Charles ..... Goshen, Indiana
Ross, Omer ..... Elida, Ohio
Stahly, Wm. J. ..... Middlebury, Indiana
Stettler, Emma ..... Goshen, Indiana
Swartz, Paul ..... Goshen, Indiana
Troyer, Edith ..... Goshen, Indiana
Walker, Rosemond ..... Middlebury, Indiana
Whitehead, Delta ..... Goshen, Indiana
Whitehead, Helen ..... Goshen, Indiana
Williams, Geneva ..... Goshen, Indiana
Wolfberg, Esther ..... Nappanee, Indiana
Yontz, Elmer ..... Goshen, Indiana

MUSIC

Albrecht, Dorothy ..... Tiskilwa, Illinois
Conrad, Rozella ..... Smithville, Ohio
Detweiler, M. B. ..... Goshen, Indiana
Finkenbeiner, Ava ..... Goshen, Indiana
Hertzler, Milford ..... Denbigh, Virginia

Huff, Winifred ..... Goshen, Indiana
Kennel, Raber ..... Goshen, Indiana
Mowers, Mrs. C. T. ..... Goshen, Indiana
Page, Marian ..... Goshen, Indiana
Riesen, Cordelia ..... Berne, Indiana
Showalter, Thelma ..... Goshen, Indiana
Smith, Edward ..... Eureka, Illinois
Smucker, Donald ..... Goshen, Indiana
Thutt, Bernice ..... Beaverdam, Ohio
Yoder, Helen ..... Goshen, Indiana
Zook, Barbara ..... Goshen, Indiana

AGRICULTURE

Brenneman, Alpheus ..... Lima, Ohio
Hartzler, Emmet J. ..... Cable, Ohio
Kauffman, Fred ..... West Liberty, Ohio
Neuman, Emanuel ..... Washington, Illinois
Nofsinger, Elmer ..... Washington, Illinois
Sommer, Samuel ..... Blanden, Iowa
Studer, Gilgian ..... Roanoke, Illinois

BIBLE

Bartholomew, Mary ..... Goshen, Indiana
Brenneman, Alice ..... Orrville, Ohio
Burkhard, Mary ..... Goshen, Indiana
Detweiler, Roy ..... Bellefontaine, Ohio
Egli, Dan ..... Manson, Iowa
Gingrich, Edward ..... Cazenovia, Illinois
Graybill, Mary ..... Freeport, Illinois
Kauffman, Amasa ..... Millersburg, Indiana
Miller, Mrs. Ruth B. ..... Goshen, Indiana
Nafziger, Martha ..... Hopedale, Illinois
Miller, Joe ..... Lima, Ohio
Nice, George ..... Sterling, Illinois
Roth, Amos ..... Flanagan, Illinois
Schrock, Jess ..... Flanagan, Illinois
Snider, Hannah ..... Waterloo, Ontario
Sommer, Henry ..... Dewey, Illinois
Shantz, Alvin ..... Marion, Ohio
Yoder, Elmer ..... Shipshewana, Indiana

SPECIAL

Lehman, Oscar ..... Nappanee, Indiana
Miller, Ruth B. ..... Goshen, Indiana

Yoder, Anna ..... Goshen, Indiana

SUMMER SCHOOL

Airgood, Fae E. ..... Millersburg, Indiana
Allgyer, Ruth ..... West Liberty, Ohio
Allison, Helen ..... Middlebury, Indiana
Baughman, Evelyn ..... Wolf Lake, Indiana
Belote, Edna ..... Howe, Indiana
Bemenderfer, Dart ..... Goshen, Indiana
Blocher, Mary ..... Wakarusa, Indiana
Blood, Nellie ..... Bristol, Indiana
Blough, Golda ..... Middlebury, Indiana
Bohn, Ernest ..... Millersburg, Indiana
Bontrager, Ferne ..... Goshen, Indiana
Bowers, Cleo M. ..... Elkhart, Indiana
Burkhard, Anna ..... Goshen, Indiana
Bryner, Fred ..... Goshen, Indiana
Cartmell, Helen ..... Middlebury, Indiana
Chrisman, Irma ..... Millersburg, Indiana
Cripe, Fern ..... Goshen, Indiana
Deardorff, Fredonna ..... Ligonier, Indiana
Doty, Nellie ..... South Bend, Indiana
Doty, Reva ..... South Bend, Indiana
Earnhart, Gaiel ..... Elkhart, Indiana
Eash, Irma ..... Shipshewana, Indiana
Ebersole, Emma ..... Sterling, Illinois
Ebersole, Amos S. ..... Goshen, Indiana
Evans, Edna ..... Millersburg, Indiana
Evans, Ethel E. ..... Millersburg, Indiana
Fike, Jacob ..... Middlebury, Indiana
Finkenbiner, Lucile ..... Goshen, Indiana
Fox, Melvin ..... Bremen, Indiana
Friesner, Esther E. ..... Middlebury, Indiana
Friesner, Cleon ..... Middlebury, Indiana
Friesner, Daniel ..... Middlebury, Indiana
Frick, Grace ..... Wawaka, Indiana
Gallespie, Winnie ..... Goshen, Indiana
Good, Mary M. ..... Goshen, Indiana
Grabill, Clara ..... Goshen, Indiana
Gray, Barbara ..... Kimmel, Indiana
Grosh, Myrtle ..... Elkhart, Indiana
Grove, Elizabeth ..... Goshen, Indiana
Guth, Eunice ..... Algonquin, Illinois
Hamilton, Lottie ..... Elkhart, Indiana
Hartzler, Frank ..... West Liberty, Ohio
Headings, Ada ..... West Liberty, Ohio
Hershberger, Glen ..... Kent, Ohio

Hile, LaFayette ..... Etna Green, Indiana
Hill, Gertrude ..... Goshen, Indiana
Hirst, Bernice ..... Shipshewana, Indiana
Hoffman, Edgar ..... Lakeville, Indiana
Hooley, Clara ..... Goshen, Indiana
Hostetler, Goldie ..... Goshen, Indiana
Hostetler, S. Jay ..... Goshen, Indiana
Howenstein, Marshall ..... Goshen, Indiana
Huitema, Grace ..... New Paris, Indiana
Hurd, Esther ..... Milford, Indiana
Isenbletter, Ruby ..... Millersburg, Indiana
Jacobs, Ruth ..... Goshen, Indiana
Jeffrey, Albert ..... Goshen, Indiana
Jones, Bernice ..... Goshen, Indiana
Kauffman, Bernice ..... Goshen, Indiana
Kennel, Raber ..... Goshen, Indiana
Kennel, Gladys ..... Goshen, Indiana
Kennelly, Ella ..... Millersburg, Indiana
Kistler, Georgia ..... Goshen, Indiana
Kratz, Clayton ..... Blooming Glen, Pennsylvania
Lane, Ralph ..... Goshen, Indiana
Lantz, Nora ..... Topeka, Indiana
Lantz, Martha ..... Topeka, Indiana
Leer, Lawrence ..... New Paris, Indiana
Lehman, Marie ..... Goshen, Indiana
Lehman, Frieda ..... Berne, Indiana
Lentz, Owen ..... Milford, Indiana
Lindsey, Addie ..... Wolf Lake, Indiana
Long, Leona M. ..... Goshen, Indiana
Malone, Grayce ..... Shipshewana, Indiana
Mason, Thelma ..... Millersburg, Indiana
McDougall, Herbert ..... Goshen, Indiana
Metzler, Paul ..... Nappanee, Indiana
Miller, Gladys ..... Middlebury, Indiana
Miller, Wilbur ..... Middlebury, Indiana
Miller, Ralph ..... Shipshewana, Indiana
Miller, David W. ..... Sugar Creek, Ohio
Miller, Nona ..... Middlebury, Indiana
Miller, Bessie ..... Middlebury, Indiana
Moyer, M. L. ..... Goshen, Indiana
Mowers, Mrs. C. T. ..... Goshen, Indiana
Null, Inez M. ..... Wakarusa, Indiana
Nunemaker, Bertha ..... Plymouth, Indiana
Oesch, Artie ..... Topeka, Indiana
Page, Marian ..... Goshen, Indiana
Persons, Emma ..... Atwood, Indiana
Plank, Fannie ..... Orrville, Ohio
Postma, Harvey M. ..... Nappanee, Indiana

Reed, Hannah ..... Goshen, Indiana
Reichard, Mildred ..... Goshen, Indiana
Riggle, Noble ..... Goshen, Indiana
Rohrer, Glade ..... Goshen, Indiana
Ruge, Hulda ..... Valparaiso, Indiana
Schott, Esther ..... Blue Island, Illinois
Shank, Ora Augustus ..... Wakarusa, Indiana
Shank, Forest ..... Goshen, Indiana
Shoup, Angela ..... Goshen, Indiana
Shoup, Vernon ..... Middlebury, Indiana
Slabaugh, Paul ..... Goshen, Indiana
Smeltzer, Verda ..... Nappanee, Indiana
Smith, Ruby B. ..... Atwood, Indiana
Smoker, Pauline ..... Goshen, Indiana
Smoker, Ruby ..... Goshen, Indiana
Steiner, Verda ..... Orrville, Ohio
Stuckman, Elva ..... Kimmel, Indiana
Stuckman, Vesta ..... Kimmel, Indiana
Stultz, Jay ..... Cromwell, Indiana
Stutzman, Mary Belle ..... Middlebury, Indiana
Swisher, Frieda M. ..... Wakarusa, Indiana
Teters, Mary ..... Middlebury, Indiana
Thomas, Melvin ..... Goshen, Indiana
Todd, Mae ..... Goshen, Indiana
Troyer, Edith ..... Goshen, Indiana
Waldron, Hazel ..... Brimfield, Indiana
Wagner, Florence ..... Goshen, Indiana
Wayer, Mrs. Nora ..... Goshen, Indiana
Weaver, R. B. ..... Goshen, Indiana
Weber, Harry F. ..... Sterling, Illinois
Weddell, Georgiana ..... Goshen, Indiana
Weldy, Allen ..... Wakarusa, Indiana
Wenger, Savilla ..... Wakarusa, Indiana
Whitehead, Delta ..... Goshen, Indiana
Williams, Thelma ..... Goshen, Indiana
Wolfberg, Esther ..... Wakarusa, Indiana
Wysong, Gladys ..... Goshen, Indiana
Yoder, Anna ..... Middlebury, Indiana
Yoder, Kathryn ..... Smithville, Ohio
Yoder, Helen ..... Goshen, Indiana
Yoder, Ferne ..... Middlebury, Indiana
Yoder, Edith ..... Middlebury, Indiana
Yoder, Verda ..... West Liberty, Ohio
Yoder, Iva ..... Shipshewana, Indiana
Young, Henry ..... Topeka, Indiana

SUMMARY OF DEPARTMENTS

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Normal	42
Academy	125
Music	16
Business	24
Bible	18
Agriculture	7
Special	3
Summer School	138
	491

ENROLLMENT BY STATES

Illinois	54
Indiana	258
India	1
Iowa	5
Maryland	1
Michigan	1
Missouri	2
Nebraska	2
Ohio	82
Ontario	8
Oregon	1
Pennsylvania	15
Saskatchewan	1
Virginia	1
Total, no name counted twice	432

ALUMNI ASSOCIATION

Organized 1901—Incorporated 1911

Officers:

F. S. Ebersole ..... President

Raymond Hartzler ..... First Vice President

Harold Bender ..... Second Vice President

Anna Yoder ..... Recording Secretary

Vesta Zook ..... Corresponding Secretary

J. S. Yoder ..... Treasurer

J. C. Meyer ..... Historian

Executive Committee

Frank E. Ebersole Raymond Hartzler J. M. Kurtz
Anna Yoder Vesta Zook

Board of Directors

Term Expires in 1921

J. M. Kurtz J. S. Yoder Anna Yoder
Raymond Hartzler

Term Expires in 1922

J. Frank Ebersole Dr. S. T. Miller I. R. Detweiler
A. W. Slagle

Term Expires in 1923

C. B. Blosser Vesta Zook Frank S. Ebersole
E. A. Meyer

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